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DEPARTMENT OF ARTS AND SCIENCES

SCHOOL OF GRADUATE STUDIES
COLUMBIAN COLLEGE
COLLEGE OF ENGINEERING
TEACHERS COLLEGE

ANNOUNCEMENT 1920-1921

Reprint from Catalogue 1919-1920
April, 1920

THE
GEORGE WASHINGTON UNIVERSITY

DEPARTMENT OF
ARTS AND SCIENCES

1920

Reprinted from the University Bulletin

Catalogue Number, April, 1920

1920

JULY

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1921

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NOVEMBER

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DECEMBER

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UNIVERSITY CALENDAR

	1920	
February	2	*Monday.*—Second half-year begins.
February	22	*Sunday.*—Winter Convocation Sermon.
February	23	*Monday.*—Winter Convocation. A holiday in all Departments of the University.
April	2–5	*Friday to Monday,* both inclusive.—Easter Holidays.
April	11	*Tuesday.*—Davis Prize Speaking.
April	19	*Monday.*—Last day on which theses of candidates for the Doctorate degree at the Commencement may be presented.
May	17	*Monday.*—Last day on which theses of candidates for the Engineering and Master's degrees at the Commencement may be presented.
May	20	*Thursday.*—Final examinations, Department of Arts and Sciences begin.
May	25	*Tuesday.*—Doctorate Disputation.
May	30	*Sunday.*—Baccalaureate Sermon.
May	31	*Monday.*—Commencement.
June	17–30	Registration for the Summer School.
June	21	*Monday.*—Instruction begins in the three-credit courses coming at 7.45 A. M., and in all afternoon classes.
June	28	*Monday.*—Instruction begins in the two-credit course coming in the forenoon.
September	29	*Wednesday.*—Academic year begins in all departments of the University.
October	12	*Tuesday.*—Last day on which theses of candidates for Engineering and Master's degrees at the Fall Convocation may be presented.
October	13	*Wednesday.*—Stated meeting of the Board of Trustees.
October	28	*Thursday.*—Fall Convocation.
November	25–27	*Thursday to Saturday,* both inclusive.—Thanksgiving recess.

RECESS FROM DECEMBER 24, 1920 TO JANUARY 2, 1921, BOTH INCLUSIVE

	1921	
January	7	*Friday.*—Last day on which theses of candidates for the Doctorate degree at the Winter Convocation may be presented.
January	12	*Wednesday.*—Stated meeting of the Board of Trustees.
January	24	*Monday.*—Midyear examinations in the Department of Arts and Sciences begin.
January	31	*Monday.*—Last day on which theses of candidates for the Engineering and Master's degrees at the Winter Convocation may be presented.

January	31	*Monday.*—Second half-year begins.
February	15	*Tuesday.*—Doctorate Disputation.
February	20	*Sunday.*—Winter Convocation Sermon.
February	22	*Tuesday.*—Winter Convocation. A holiday in all departments of the University.
March	4	*Friday.*—Inauguration Day. Holiday in all departments of the University.
March	25–28	*Friday to Monday,* both inclusive.—Easter Holidays.
April	6	*Tuesday.*—Davis Prize Speaking.
April	25	*Monday.*—Last day on which theses of candidates for the Doctorate degree at the Commencement may be presented.
May	23	*Monday.*—Last day on which theses of candidates for the Engineering and Master's degrees at the Commencement may be presented.
May	25	*Wednesday.*—Final examinations, Department of Arts & Sciences begin.
May	31	*Tuesday.*—Doctorate Disputation.
June	1	*Wednesday.*—Annual meeting of the Board of Trustees.
June	5	*Sunday.*—Baccalaureate Sermon.
June	8	*Wednesday.*—Commencement.
June	16–25	Registration for the Summer School.
June	20	Summer School opens.

THE BOARD OF TRUSTEES

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President of the University.

1921.

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*Harry Cassell Davis, A. M., L. H. D., 1929 Eighteenth Street.
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John Barton Payne, LL. D., 1601 Eye Street.
Henry Cleveland Perkins, 1701 Connecticut Avenue.
Maxwell Van Zandt Woodhull, A. M., 2033 G Street.

1922.

Louis Hertle, Gunston Hall, near Lorton, Va.
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Thomas Snell Hopkins, LL. B., Hibbs Building.
*William Bruce King, A. M., LL. M., 1822 Wyoming Avenue.
Martin Augustine Knapp, A. M., LL. D., Southern Building.
Charles Carroll Glover, Jr., M. A., LL. B., 737 Fifteenth Street.
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*Ernest Lawton Thurston, C. E., A. M., 1414 Madison Street.
Charles I. Corby, Rockville Pike, Md.

1923.

*John Joy Edson, LL. B., 1324 Sixteenth Street.
William James Flather, Riggs National Bank.
*John B. Larner, LL. B., LL. D., Washington Loan & Trust Bldg.
Abram Lisner, A. M., 1723 Massachusetts Avenue.
Henry Brown Floyd Macfarland, 1420 New York Avenue.
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William S. Washburn, M. D., 2029 Connecticut Avenue.
Henry White, LL. D., 1229 Nineteenth Street.
Edward H. Everett, 23d Street and Sheridan Circle.

* Nominated by the Alumni.

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John B. Larner

Vice-Chairman of the Board of Trustees

Archibald Hopkins

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Subscriptions and Endowments.—C. C. Glover, Jr., H. B. F. Macfarland, W. R. Tuckerman, H. C. Perkins, Maxwell Van Zandt Woodhull, George F. Moore, A. Lisner, Louis Hertle.

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Columbian College.—H. C. Davis, W. B. King, T. W. Noyes, J. T. Doyle.

Engineering.—H. C. Perkins, E. L. Thurston, T. S. Hopkins, C. I. Corby.

School of Graduate Studies.—A. Hopkins, G. H. Grosvenor, T. W. Noyes.

Arts and Sciences.—H. C. Davis, H. C. Perkins, A. Hopkins.

Medicine, Pharmacy and Hospital.—J. B. Larner, T. N. McLaughlin, Maxwell Van Zandt Woodhull, E. H. Everett, C. I. Corby, W. S. Washburn.

Law.—J. B. Larner, M. A. Knapp, W. B. King, J. B. Payne.

Records and Archives.—H. C. Davis, J. T. Doyle, E. L. Thurston.

Treasurer's Office.—Wm. J. Flather, H. C. Perkins, C. C. Glover, Jr.

Law Building and Equipment.—W. S. Washburn, W. B. King, C. C. Glover, Jr.

Counsel: Clephane and Latimer.

Auditor: American Audit Company.

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Mr. Morris Williams
Rev. Charles Wood
Miss Woodhull

The President of the University, Chairman *ex officio*.
The Secretary of the University, Secretary *ex officio*.

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(Arranged in Departmental Groups)

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ELMER LOUIS KAYSER, A. M.....Secretary of the University
GEORGE NEELY HENNING, A. M., Litt. D.,
Dean of the School of Graduate Studies

HERMANN SCHOENFELD, Ph. D., LL. D.....Professor of German
WILLIAM ALLEN WILBUR, A. M., Litt. D.....Dean of Columbian College
CHARLES CLINTON SWISHER, Ph. D., LL. D.....Professor of History
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Dean of the College of Engineering

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OSCAR BENWOOD HUNTER, A. B., M. D.,
Professor of Bacteriology and Pathology

CARL JOSEPH MESS, D. D. S.....Dean of the Dental School
HENRY E. KALUSOWSKI, M. D., Phar.D... Dean of the Pharmacy School

Committees of the President's Council

Catalogue and Other Publications.—The President, the Secretary, Professors HODGKINS, WILBUR, and RUEDIGER.

Admissions.—Professors HODGKINS, RUEDIGER, and WILBUR.

Commencement Exercises.—The President, Professors SWETT, ALDEN, the Secretary, and the Treasurer.

Schedule.—Professors HENNING, HODGKINS, and RUEDIGER.

Library.—Professors SCHOENFELD, HENNING, the Librarian.

Summer School.—Professors RUEDIGER, HODGKINS, HUNTER, and VAN VLECK.

Student Activities.—Professors HALSEY, HENNING, RUEDIGER, VAN VLECK (Secretary,) DOYLE, MORRISON, and KALUSOWSKI.

EDUCATIONAL ORGANIZATION

Department of Arts and Sciences
- School of Graduate Studies
- Columbian College
- College of Engineering
- Teachers College

Department of Medicine, Dentistry and Pharmacy
- The Medical School
- The Dental School
- The School of Pharmacy

ANNUAL COMMENCEMENT

The Annual Commencement is held thirty-six weeks after the last Wednesday in September. Students who have satisfied the requirements for degrees subsequent to the June Commencement may be awarded degrees at the Fall Convocation on October 28.

The Winter Convocation is held on February 22.

UNIVERSITY ASSEMBLIES

University Assemblies will be held from time to time, the attendance of students upon which may be required.

SPECIAL UNIVERSITY LECTURES

In accord with the University's desire to provide some extension courses that will appeal to the public and especially to persons desiring to take special courses in Arts or Letters, a course of eight lectures has been arranged for the year 1920–21. The lectures will be delivered by Langdon E. Mitchell, Litt. D., and will deal principally with poetry. The lectures will be held during the first half of the second semester, most of them during the Lenten Season. Members of the public desiring to attend may obtain tickets of admission at a fee of six dollars at the office of the Recorder, Lisner Hall, 2023 G Street.

THE UNIVERSITY LIBRARY

The University Library comprises the Library of the Department of Arts and Sciences, the Law Library, and the Medical Library. It contains 55,000 volumes.

In addition to its general collections the Library of the Department of Arts and Sciences contains the Library of the late Professor Richard Heinzel, of the University of Vienna, containing 7,200 books and pamphlets in Germanic philology and literature, and cognate branches; the library of the late Professor Curt Wachsmuth, of the University of Leipzig, containing 7,900 books and pamphlets in Greek and Roman literature, archeology, and history; the Mount Vernon Alcove containing 4,000 volumes in political history, international law, and the social sciences. Besides, the library of the American Institute of Architects, consisting of 1,063 volumes and portfolios of plates and drawings, is deposited in the reading room as a loan collection, where it is accessible, also, to all local architects. The library is open from 9 a. m., to 10.30 p. m.

The Law Library, containing 7,500 volumes, is open from 8.30 a. m. to 10 p. m.

The Medical Library, containing about 3,000 volumes, is open from 9 a. m. to 9 p. m.

PRIVILEGES IN GOVERNMENTAL INSTITUTIONS OPEN TO UNIVERSITY STUDENTS

In order to promote research and the diffusion of knowledge, the Congress of the United States has made the scientific resources of the Government accessible to students under the terms of the following joint resolution, approved April 12, 1892:

"*Resolved by the Senate and House of Representatives of the United States of America in Congress assembled,* That the facilities for research and illustration in the following and any other governmental collections now existing or hereafter to be established in the city of Washington for the promotion of knowledge shall be accessible, under such rules and restrictions as the officers in charge of each collection may prescribe, subject to such authority as is now or may hereafter be permitted by law, to the scientific investigators and to students of any institution of higher education now incorporated or hereafter to be incorporated under the laws of Congress or of the District of Columbia, to wit:

1. Of the Library of Congress.
2. Of the National Museum.
3. Of the Patent Office.
4. Of the Bureau of Education.
5. Of the Bureau of Ethnology.
6. Of the Army Medical Museum.
7. Of the Department of Agriculture.
8. Of the Fish Commission.
9. Of the Botanic Gardens.
10. Of the Coast and Geodetic Survey.
11. Of the Geological Survey.
12. Of the Naval Observatory.

DEPARTMENT OF ARTS AND SCIENCES

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James Howard Gore, Ph.D., LL.D., Litt.D.,
Professor Emeritus of Mathematics

Howard Lincoln Hodgkins, Ph.D...Dean of the Department ofArts and Science and of the College of Engineering, and Professor of Mathematics
Hermann Schoenfeld, Ph.D., LL.D.....Professor of German
James Macbride Sterrett, A.M., D.D., Litt.D.,
Professor Emeritus of Philosophy

Charles Edward Munroe, Ph.D., LL.D.,
Dean Emeritus of the School of Graduate Studies and Professor Emeritus of Chemistry.

George Perkins Merrill, Ph.D., Sc. D... Professor Emeritus of Geology
Frank Wigglesworth Clarke, Sc.D., LL.D.,
Professor of Mineral Chemistry

William Allen Wilbur, A.M., Litt.D.,
Dean of Columbian College and Professor of English

Charles Clinton Swisher, Ph.D., LL.D.....Professor of History
Mitchell Carroll, Ph.D.,
Professor of Archaeology and the History of Art
Paul Bartsch, Ph.D.....Professor of Zoology
George Neely Henning, A.M., Litt.D.,
Dean of the School of Graduate Studies and Professor of Romance Languages.
Albert Burnley Bibb.....Professor of Architecture
Asaph Hall, Jr., Ph.D.....Professor of Astronomy
Shepherd Ivory Franz, Ph.D., LL.D., M.D.,
Professor of Experimental Psychology
Charles Sidney Smith, Ph.D.....Professor of Greek and Latin
William Carl Ruediger, Ph.D.,
Dean of Teachers College, and Professor of Educational Psychology
Alfred Francis William Schmidt, A.M.....Professor of German
Willis Luther Moore, Sc.D., LL.D...Professor of Applied Meteorology
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Professor of Meteorological Physics
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George Washington Littlehales,...Professor of Nautical Science
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Robert Russ Kern, A.B.....Professor of Economics and Sociology
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De Witt Clinton Croissant, Ph.D.....Professor of English

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Professor of Portuguese Language and Literature
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Israel Schapiro, Ph.D.,
Professor of Semitic Languages and Literature
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Professor of Preventive Medicine
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Hiram Colver McNeil, Ph.D. . . . . Professor of Chemistry
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Otis Dow Sweet, S.M., LL.M. . . . . Professor of Chemistry
Allan Bowyer McDaniel, B.S., . . . Acting Professor of Civil Engineering
John Raymond Lapham, M.S. in C.E. . . . . Professor of Civil Engineering
Nexil Monroe Hopkins, Ph.D. . . . . Assistant Professor of Chemistry
Edwin Allston Hill, Ph.D . . . . . Assistant Professor of Chemistry
Levi Russell Alden, A.M., LL.B . . . . . Assistant Professor of History
Bedford Brown, S.B . . . . . Assistant Professor of Architecture
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Edward Rogers Noyes, M.D . . . . . Assistant Professor of Chemistry
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Assistant Professor of Commerce
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Elmer Louis Kayser, A.M.,
Secretary of the University and Assistant Professor of History
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John Metcalf, Ph.D. . . . . Assistant Professor of Psychology
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Frederick Eugene Fowle, Jr., S.B . . . . . Lecturer on Astro-Physics
Willard Stanton Small, Ph.D . . . . . Lecturer on Education
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Cletus H. Killian.....Instructor in Mechanical Engineering
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A. L. Dierstein.....Instructor in Applied Mathematics
Joseph B. Rawlings, B.S. in E.E....Instructor in Electrical Engineering
Frank C. Daniel, A.B.....Instructor in Mathematics
H. Leffler, M.D.....Instructor in Chemistry
Gus Kilton Pattison, A.B.....Instructor in Romance Languages
Merle I. Protzman, A.B.....Instructor in Romance Languages
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Instructor in Mechanical Engineering
George W. Phillips, B.S. in Chem.....Instructor in Chemisrty
Henry Albert Lepper, B.S. in Chem.....Assistant in Chemistry
Bonifant Hamilton, B.S. in Chem.....Assistant in Chemistry
J. Norman Taylor, B.S. in Chem.....Assistant in Chemistry
Peter Valear, M.S.....Assistant in Chemistry
Alice J. Whitson, B.S.....Assistant in Chemistry
James L. Young, B.S. in Chem.....Assistant in Chemistry
Beverly L. Clarke.....Student Assistant in Chemistry
Delmour J. Fuqua.....Student Assistant in Chemistry
Albert L. Gebhart.....Student Assistant in Chemistry
Samuel R. Kline.....Student Assistant in Chemistry
Elmer H. Krehbiel.....Student Assistant in Chemistry
Norris H. Sanborn.....Student Assistant in Chemistry
Albert A. Spear.....Student Assistant in Chemistry
Gordon C. Tibbetts.....Student Assistant in Chemistry
Paul C. Van Natta.....Student Assistant in Chemistry
Meyer Weinstein.....Student Assistant in Chemistry

Albert J. Fihe.....Student Assistant in Physics
Casper L. Cottrell.....Student Assistant in Physics
George S. Hastings.....Student Assistant in Physics
Darwin J. Pope.....Student Assistant in Physics
William J. Cheyney.....Student Assistant in History
Nona B. Pollner.....Student Assistant in Economics
William Harris.....Student Assistant in Architecture
Virgil Brooks Wiley.....Student Assistant in History
May Blanche Einstein.....Assistant in the Library
Mildred J. Moore.....Assistant in the Library
Ruth Frances Allen.....Assistant in the Library
Julia Irene Daniels.....Assistant in the Library
Alma Barker.....Assistant in the Library
Hannah Louise Gardner Donk.....Assistant in the Library
John R. Mason.....Assistant in the Library
Ruth Frances Allen.....Student Assistant in English
John Aman.....Student Assistant in English
Robert Bosworth.....Student Assistant in English
Julia Irene Daniel.....Student Assistant in English
Ethel Johnson.....Student Assistant in English
Quinter Lyon.....Student Assistant in English
Helen Mankey.....Student Assistant in English
Margaret Metzerott.....Student Assistant in English
Agnes Nelson.....Student Assistant in English
Herbert B. Nichols.....Student Assistant in English
Lillie M. Payne.....Student Assistant in English
Margaret Preinkert.....Student Assistant in English
Elizabeth Schaaf.....Student Assistant in English
Miriam Selah.....Student Assistant in English
Katherine Symmonds.....Student Assistant in English
Beatrice Tait.....Student Assistant in English
Lella Warren.....Student Assistant in English
Lydia Westcott.....Student Assistant in English

FACULTY OF THE SCHOOL OF GRADUATE STUDIES

President Collier, Dean Henning, Professors Hodgkins, Schoenfeld, Clarke, Wilbur, Swisher, Carroll, Bartsch, Henning, Hall, Franz, Smith, Ruediger, Schmidt, Moore, Humphreys, Richardson, Littlehales, Bassler, Kern, Croissant, Schapiro, Michelson, Pryor, C. E. Hill, Coutinho, Cohen, Erwin, Cushman, McNeil, Swett, Lapham. Assistant Professors Hopkins, E. A. Hill, Alden, Churchill, T. B. Brown, Kochenderfer, Doyle, Halsey, Kayser, Bolwell, Metcalf; Messrs. Small, Van Orstrand, Miss Brigham.

FACULTY OF COLUMBIAN COLLEGE

President Collier, Dean Wilbur, Professors Hodgkins, Schoenfeld, Swisher, Carroll, Bartsch, Henning, Bibb, Smith, Ruediger, Schmidt,

Richardson, Bassler, Kern, Croissant, Coutinho, Schapiro, C. E. Hill, McNeil, Erwin, Swett, Lapham; Assistant Professors E. A. Hill, Alden, Churchill, T. B. Brown, Kochenderfer, Doyle, Halsey, McArthur, Hodgkins, Bolwell, Metcalf, Kayser; Messrs. Cullom, Jones, Resser, Teillard, Cheney, Pattison, Protzman, Cruikshanks, Miss Macmillan, Miss Brigham.

FACULTY OF COLLEGE OF ENGINEERING

President Collier, Dean Hodgkins, Professors Schoenfeld, Wilbur, Henning, Bibb, Schmidt, Littlehales, Bassler, Harris, McNeil, Erwin, Swett, Lapham; Assistant Professors Alden, Brown, T. B. Brown, Doyle, Halsey, Norsworthy, H. G. Hodgkins; Messrs. Cullom, Resser, March, Cheney, Pattison, Protzman, Cruikshanks.

FACULTY OF TEACHERS' COLLEGE

President Collier, Dean Ruediger, Professors Hodgkins, Schoenfeld, Wilbur, Swisher, Bartsch, Henning, Smith, Schmidt, Richardson, Bibb, Bassler, Kern, Croissant, C. E. Hill, McNeil, Erwin, Swett; Assistant Professors Alden, T. B. Brown, Kochenderfer, Doyle, McArthur, Kayser, Bolwell, Metcalf; Messrs. Small, Cheney, Pattison, Protzman; Mrs. Albion, Mrs. Symonds,

SCHOOL OF GRADUATE STUDIES

HIGHER DEGREES

The higher degrees conferred in course by the University in this Division of the Department of Arts and Sciences are Master of Arts (A. M.), Master of Science (S. M.), Civil Engineer (C. E.), Electrical Engineer (E. E.), Mechanical Engineer (M. E.), and Doctor of Philosophy (Ph. D.).

ADMISSION

Candidates for admission to courses for higher degrees must make application to the Dean of the School of Graduate Studies on application blanks, which may be obtained of him. Candidates must present certificates of the degrees they hold from the institutions conferring such degrees. Candidates requesting advanced standing must present detailed certificates of the work for which they ask credit.

DEGREES OF MASTER OF ARTS AND MASTER OF SCIENCE

To be admitted to candidacy for the Master's degree a student must have completed a liberal undergraduate course of study such as is required by colleges of good standing antecedent to the baccalaureate degree. The Faculty of Graduate Studies reserves the right to decide in all cases whether the antecedent training fulfills the requirements. Moreover, the course of study pursued must have been such as to qualify the candidate for pursuring the subjects chosen for the Master's or other higher degree sought. In seeking admission the applicant must state whether he desires to obtain the Specialist degree or the Liberal Culture degree.

The Specialist degree is designed for students who propose to specialize in their work. Such candidates are required to complete one major and two minor subjects selected from properly correlated and approved University subjects amounting to twenty-four semester-hours, and to present a satisfactory thesis, which shall count for six semester-hours. One of the minor topics may be selected from the University subject which includes the major topic. The major topic shall cover not less than fifteen nor more than eighteen semester-hours, including the thesis, a minor topic, not less than six or more than nine.

The Liberal Culture degree is designed for students who do not intend to specialize in their work. Such candidates are required to complete a course of study amounting to not less than thirty semester-hours of work distributed among three approved University subjects, of which not more than eighteen semester-hours, including the thesis, shall be given to any one subject. The candidate must also present a thesis in the field to which the major subject belongs, which shall count for six of the required thirty credits.

A candidate for a Master's degree must pass at least one full year in residence and study at this University, and no work done in satisfaction of the requirements for the Bachelor's degree shall be counted again for a higher degree. Under no circumstances may courses in the First Section, "Primarily for undergraduates," be counted towards any higher degree, though a graduate student may be allowed to take them without receiving academic credit.

Advanced work done elsewhere may be credited toward the Master's degree in this University, to the extent of not more than twelve semester-hours. No work, whether done here or at other institutions, will be credited toward the Master's degree unless the student attains at least grade "C" or its equivalent on such work.

Work for which the Master's degree has been awarded may be credited as one year of work toward the degree of Doctor of Philosophy, provided that it be in the same field of work.

HIGHER DEGREES IN ENGINEERING

To be admitted to candidacy for higher degrees in Engineering a student must have completed a liberal undergraduate course of study such as is required by colleges of good standing antecedent to the baccalaureate degree in Engineering, and of such a character as to fit him to pursue to advantage the study of advanced engineering topics. The Faculty of Graduate Studies reserves the right to decide in all cases whether the antecedent training fulfills the requirements. Moreover, the courses of study pursued for the Bachelor's degree must be approved by the Faculty as qualifying the candidate for pursuing the chosen line of study for the degree sought.

A candidate for a degree in Engineering shall pass at least one year of residence at this University. He shall satisfactorily complete approved courses aggregating not less than thirty semester-hours, of which a thesis shall count six.

Advanced work done elsewhere may be credited toward a degree in Engineering in this University, to the extent of not more than twelve semester-hours. No work, whether done here or at other institutions, will be credited toward the Master's degree unless the student attains at least grade "C" or its equivalent on such work.

DEGREE OF DOCTOR OF PHILOSOPHY

The degree of Doctor of Philosophy is conferred upon a student who has pursued specialized courses in university subjects for a period of not less than three years, has engaged in research under university auspices, has submitted an acceptable thesis, and has met all the requirements prescribed. The degree is given for high attainments and proved ability to do research work in some special branch of knowledge, as determined by the various tests applied.

Before a student can be admitted to candidacy for this degree he must give evidence that he has completed a liberal undergraduate course of academic study such as is required by colleges of good standing antecedent to the baccalaureate degree, and of such a character as to fit him to pursue to advantage researches in the field chosen for his graduate work. The Faculty of Graduate Studies reserves the right to decide in all cases whether the antecedent training fulfills the requirements. The applicant may be credited with graduate work done at other universities, provided such work is shown to be of grade similar to that required here, but at least one year, preferably the last, must be spent in residence at this University and the other requirements of the degree as prescribed must be fulfilled.

The candidate for the Doctor's degree shall offer three topics from the University subjects—one major and two collateral minor studies, one of which minors may be in the subject which includes the major topic. These must be pursued under the guidance of a committee consisting of the professors in charge of the University subjects in which the studies are pursued, with the professor in the major subject as chairman. This committee will determine his division of time, study, and research among the major and minor topics. Before the Doctor's degree is conferred, the candidate shall have pursued his major subject at least three years and each minor at least two years since he obtained his baccalaureate degree. The candidate shall pass satisfactory examinations upon the three subjects selected. He must satisfy the Professors of French and German, not more than one month after the opening of his final year, that he can read understandingly in the original, French and German works pertaining to his special field. In order to graduate the candidate must possess a broad acquaintance with his major subject and he must present a thesis upon some topic approved by the professor in charge of his major subject, which shall be a contribution to knowledge and which shall be accompanied by an adequate bibliography.

CANDIDATE'S COMMITTEE

The professors and other university officers offering the topics in which a candidate must qualify for his degree and to whom he is assigned constitute the Committee that must pass upon his work. The officer directing the major topic is chairman.

EXAMINATIONS

Candidates must pass examinations upon all their topics. The examinations upon the minor topics may be taken at the close of the respective years in which these topics are completed, or later, at the direction of the examiner. The final examination on the major topic shall cover the candidate's entire university work, and shall be given when the professor of that subject is satisfied that the student has taken sufficient work to

warrant such an examination being taken. If a candidate has satisfactorily passed his final examination, he may be permitted to complete his thesis away from the University.

DEFENSE OF THE THESIS

Before a candidate shall be recommended to the Board of Trustees for the degree of Doctor of Philosophy he must have successfully defended his thesis in public before a Board of Experts not officially connected with the University. Before the candidate shall be permitted to undertake the defense of his thesis, the thesis must have been favorably reported on and recommended for defense by the professor having supervision over the candidate's major topic, and by a co-referee appointed from the Faculty of Graduate Studies.

The subjects from which the candidate's selection may be made, as the Faculty may determine in each case, are as follows:

Applied Mathematics, Archaeology, Anatomy, Architecture, Astronomy, Astro-Physics, Bacteriology, Botany, Chemistry, Civil Engineering, Commerce, Economics, Education, Electrical Engineering, Ethnology, French, Embryology, English, Ethics, Geology and Mineralogy, Germanic Languages and Literature, Greek Language and Literature, Gynecology, Histology, Hydraulic Engineering, History, History of Art, International Law and Diplomacy, Latin Language and Literature, Law, Mathematics, Mechanical Engineering, Meteorology, Microscopy, Nautical Science, Paleontology, Pathology, Philosophy, Physics, Physiology, Pharmacology, Political Sciences, Preventive Medicine, Psychiatry, Psychology, Romance Languages and Literatures, Semitics, Sociology, Spanish, Zoology.

REGULATIONS REGARDING THESES

All theses for each degree sought must, in their final form, be presented to the Dean on the dates announced in the University Calendar. They must previously have been typewritten on official thesis paper, which may be obtained from the Treasurer of the University. The Dean will present theses to the Chairman of the Committees on the candidates; doctoral theses will further be submitted for examination to the co-referees appointed from the Faculty. Accepted theses, with their accompanying drawings, are the property of the University, and will be deposited in the University Library, but the authors of them are permitted to make copies. The candidate for the degree of Doctor of Philosophy is expected to print his thesis under the supervision of the professor in charge of his major subject, within one year after the degree is granted, and he is expected to present one hundred copies to the University, to be distributed among institutions of learning.

DOCTORATE DISPUTATIONS

The Thirty-Sixth Doctorate Disputation was held publicly on May 27, 1919. The theses that were successfully defended, the candidates, and the members of the boards of experts, were as follows:

Thesis: The classification and biology of the North American Cerambycid Larvae. By Frank Cooper Craighead, B. S., 1912, Pennsylvania State College; M. S., 1915, George Washington University. Before Leland Ossian Howard, Ph. D., M. D., LL. D., Chief of the Bureau of Entomology, U. S. Department of Agriculture; Andrew Delmar Hopkins, Ph. D., Forest Entomologist, in charge of Insect Investigations, Bureau of Entomology, U. S. Department of Agriculture; Adam Bvöing, Ph. D., Expert in *Coleoptera,* Bureau of Entomology. Paul Bartsch, Ph. D., Professor of Zoology, presiding.

Thesis: Relation of initial ability to the extent of improvement. By Frank McGinley Phillips, M. Di., Iowa State Normal School; A. B., 1908, Iowa State Teachers' College; A. M., 1915, State University of Iowa. Before Edward Franklin Buchner, Ph. D., Professor of Education, Johns Hopkins University; McLeod Harvey, Ph. D., Professor of Education, Howard University; Will Carson Ryan, Jr., A. B., Director of Information Service, U. S. Bureau of Education. William Carl Ruediger, Ph. D., Professor of Educational Psychology, presiding.

The Thirty-seventh Doctorate Disputation was held publicly on October 16, 1919. The thesis that was successfully defended, the candidate, and the members of the board of experts, were as follows:

Thesis: The effect of bleaching with oxides of nitrogen upon the baking qualities and commercial value of wheat flour. By Edward Elmer Smith, B. S. in Chemical Engineering, 1914, University of Idaho; M. S., 1916, George Washington University. Before Harvey Washington Wiley, A. M., M. D., LL. D., Sc. D., Contributing Editor, Good Housekeeping Magazine; formerly Chief Chemist, U. S. Department of Agriculture; Arthur Philip Greele, A. B., LL. M., Patent Attorney, formerly Assistant Commissioner of Patents; Henry Corbin Fuller, B. S., in charge of the Division of Food Products, Institute for Industrial Research. Hiram Colver McNeil, Ph. D., Professor of Chemistry, presiding.

The Thirty-eighth Doctorate Disputation was held publicly on February 2nd and 3rd, 1920. The theses that were successfully defended, the candidates, and the members of the boards of experts, were as follows:

Thesis: The detection and estimation of small amounts of organic nitro compounds with special reference to the examination of the urine of TNT workers. By Elias Elvove, B. S., 1903, M. S., 1904, University of Kentucky; Phar. D., 1910, George Washington University. Before Carl Lucas Alsberg, A. M., M. D., Chief, Bureau of Chemistry, U. S. Department of Agriculture; Atherton Seidell, M. S., Chemist, Office of the Hygienic Laboratory, U. S. Public Health Service; Morris A. Pozen, B. S. in Chemistry, Phar. D., Chief Chemist, Health Department, of the District of Columbia. Charles Edward Munroe, Ph. D., LL. D., Professor Emeritus of Chemistry, Chairman, Committee on Explosives, Council of National Defense, presiding.

Thesis: Colonizing termites. By Thomas Elliott Snyder, B. A., 1907, Columbia University; M. F., Yale University. Before Leland Ossian Howard, Ph. D., M. D., LL. D., Chief of the Bureau of Entomology, U. S. Department of Agriculture; Alton Lacy Quaintance, B. S. A., M. S., Sc. D., Entomologist in charge of deciduous fruit investigations, U. S. Department of Agriculture; Adam Böving, Ph. D., Expert in *Coleoptera*, Bureau of Entomology, U. S. Department of Agriculture. Paul Bartsch, Ph. D., Professor of Zoology, presiding.

Thesis: The body temperature of birds. By Frank Alexander Wetmore, A. B., 1912, University of Kansas; M. S., 1916, George Washington University. Before Leonhard Stejneger, Head Curator, Department of Biology, U. S. National Museum; Theodore Sherman Palmer, A. B., M. D., Expert in Game Conservation, U. S. Biological Survey; Harry Church Oberholser, B. A., M. S., Ph. D., Assistant Biologist, U. S. Biological Survey. Paul Bartsch, Ph. D., Professor of Zoology, presiding.

THE COLLEGES

The College session of 1920–21 begins Wednesday, September 29, 1920. The Colleges are open to men and women.

ADMISSION

Every applicant for admission is required to present a certificate of standing and regular dismissal from the school or college which he has last attended.

Candidates for admission to the Freshman Class maypresent certificates of admission or take an examination in the required subjects. Certificates, in lieu of any or all examinations, will be accepted from schools whose work is attested by well-prepared students admitted to the University in previous years, and from schools that present evidence of affording adequate preparation in the required subjects. Deans of the Colleges will, on application, furnish certificate blanks to the principals of such accredited schools.

The certificates of the College Entrance Examination Board will be accepted.

The requirement for admission is a four-year high-school course, or its equivalent, amounting to fifteen "units." For prescribed studies see the specifications of each college.

A unit represents a year's study in any subject in a secondary school, constituting approximately a quarter of a full year's work.

ENTRANCE EXAMINATIONS

The regular examinations for admission are held about June 1, and the schedule for the examinations is issued May 25.

Unless admitted by certificate, every undergraduate candidate for a degree is required to pass an examination.

Candidates from the Washington high schools for the Kendall and the University Scholarships will be examined on nine and one-half units. These units upon which the examination will be given are the following: the specified subjects—English (three units), Mathematics (two and one-half units), and one other language (two units); the remaining two units will be in language, history, mathematics, physics, chemistry, biology—as the candidate shall elect. The remainder of the fifteen units must be certified from the high schools.

DEFINITION OF REQUIREMENTS

ENGLISH

(*Three Units*)

The requirement in English is that recommended by the National Conference on Uniform Entrance Requirements in English.

However accurate in subject matter, no paper will be considered satisfactory if seriously defective in punctuation, spelling or other essentials of good usage.

The examination will be divided into two parts:

1. Grammar and Composition

In grammar and composition, the candidate may be asked specific questions upon the practical essentials of these studies, such as the relations of the various parts of a sentence to one another, the construction of individual words in a sentence of reasonable difficulty, and those good usages of modern English, which one should know in distinction from current errors. The main test in composition will consist of one or more essays, developing a theme through several paragraphs; the subjects will be drawn from the books read, from the candidate's other studies, and from his personal knowledge and experience quite apart from reading. For this purpose the examiner will provide several subjects, perhaps eight or ten, from which the candidate may make his own selections. He will not be expected to write more than four hundred words per hour.

2. Literature

The examination in literature will include:

A. Reading.—General questions designed to test such a knowledge and appreciation of literature as may be gained by an intelligent reading of at least two books under each of five groups as follows: Group I—Classics in Translation (a selection from any other group may be substituted for this), Group II—Shakespeare, Group III—Prose Fiction, Group IV—Essays, Biography, etc., Group V—Poetry. Other books than those named in the Uniform Entrance Requirement list will be accepted under each group, provided the books are of standard literary character. The candidate will be required to submit a list of the books read in preparation for the examination, certified by the principal of the school in which he was prepared; but the books named in this list will not be made the basis of detailed questions.

B. Study.—The books provided for study are arranged in four groups, from each of which one selection is to be made.

GROUP I, DRAMA

Shakespeare: Julius Cæsar, Macbeth, or Hamlet.

GROUP II, POETRY

Milton: L'Allegro, Il Penseroso, and either Comus or Lycidas.

Tennyson: The Coming of Arthur, The Holy Grail, and The Passing of Arthur.

The selections from Wordsworth, Keats and Shelley in Book IV of Palgrave's Golden Treasury (First Series).

GROUP III, ORATORY

Burke: Speech on Conciliation with America.
Macaulay's Two Speeches on Copyright, and Lincoln's Speech at Cooper Union.
Washington's Farewell Address and Webster's First Bunker Hill Oration.

GROUP IV, ESSAYS

Carlyle: Essay on Burns, with a selection from Burns' Poems.
Macaulay: Life of Johnson.
Emerson: Essay on Manners.

A test on the books prescribed under the *Study* groups will consist of questions upon their content, form, and structure, and upon the meaning of such words, phrases, and allusions as may be necessary to an understanding of the works and an appreciation of their salient qualities of style. General questions may also be asked concerning the lives of the authors, their other works, and the periods of literary history to which they belong.

For the George Washington University Scholarship Entrance Examinations the books for *Reading* and *Study* will be the required English of the Washington High Schools.

LATIN

Elementary (two units)

a. I. Latin Grammar The inflections; the simpler rules for composition and derivation of words; syntax of cases and the verb; structure of sentences in general, with particular regard to relative and conditional sentences, indirect discourse, and the subjunctive.

II. Latin Prose Composition: Translation into Latin of detached sentences and easy continuous prose based on Cæsar.

b. Cæsar: Any four books of the Gallic War, preferably the first four.

Advanced (two units)

a. Cicero: Any six orations from the following list, but preferably the first six mentioned. The four orations against Catiline, Archias, the Manilian Law, Marcellus, Roscius, Milo, Sestius, Ligarius, the Fourteenth Philippic.

b. Virgil: The first six books of Æneid.

c. Advanced Prose Composition, consisting of continuous prose of moderate difficulty based on Cicero.

d. Sight Translation, based on prose of no greater difficulty than the easier portions of Cicero's orations.

GREEK

Elementary (two units)

a. I. Greek Grammar: The topics for the examination in Greek grammar are similar to those detailed under Latin grammar.

II. Greek Prose Composition, consisting principally of detached sentences to test the candidate's knowledge of grammatical constructions. The examination in grammar and prose composition will be based on the first two books of Xenophon's Anabasis.

b. Xenophon: The first four books of the Anabasis.

Advanced (one unit)

a. Homer: The first three books of the Iliad (omitting II, 494, to end).

b. Sight Translation, based on prose of no greater difficulty than Xenophon's Anabasis.

FRENCH

Elementary (two units)

Candidates in Elementary French must have a good knowledge of the essential parts of grammar, with stress on pronouns and on regular verbs and the common irregular verbs. They must know the principles of pronunciation; must be able to translate simple English sentences or easy connected prose into French. and to translate accurately ordinary modern French prose. Candidates must have translated not less than 450 duodecimo pages by at least four different authors, of which amount at least one-third must be history. Candidates must have had a two-year's course of five periods per week.

Advanced (two units)

Candidates in advanced French must have partly translated, partly read, in addition to the requirements for Elementary French, at least 1000 pages of difficult French of several different authors, including history, fiction, drama, and poetry. Candidates must have had a four-year's course of five periods per week.

Fraser and Squair's French Grammar or Grandgent's Essentials of French Grammar is recommended.

SPANISH

(Two units)

Candidates in Spanish must have a good knowledge of grammar including syntax, with stress on pronouns and verbs, regular and irregular. They must know the principles of pronunciation. They must be able to translate simple English sentences or easy connected prose into Spanish, and to translate accurately fairly difficult modern Spanish prose and verse. Candidates must have translated not less than 500 pages by at least four different authors, of which amount at least one-fourth must be history or drama. Candidates must have had a two-year's course of five periods per week.

GERMAN

Elementary (two units)

Candidates in Elementary German must have had a two-year's course or five periods a week. They must be able to read fluently at sight and to translate easy narrative prose and poetry. An accurate knowledge of the elements of German grammar and the ability to translate simple prose into German are requisite. About 300 pages of graduated narrative prose, one short play, and such poetry as is usually found in a First Reader will be considered an adequate preparation.

Advanced (two units)

Candidates in Advanced German must have had a four-year's course of five periods a week. They should be well trained in the syntactical laws of the language, have read about 800 pages of good literature in prose, preferably such prose works as are given in the Report of the Committee of Twelve of the Modern Language Association, and poetry, especially dramas by Lessing, Schiller, and Goethe, and studied an elementary history of German literature. German composition should comprise a number of short themes upon assigned historical or literary topics, lives of the authors read, etc.

HISTORY

In this subject special importance is attached to preparation in geography.

Ancient (one unit)

a. Greek History, through the Roman Conquest; as much as is contained in Myer's, Bottsford's, or West's History of Greece.

b. Roman History; as much as is contained in Allen's, Bottsford's or West's History of the Roman People.

Mediaeval History (one unit)

As much as is contained in first twenty chapters of Robinson's Mediaeval and Modern Times.

Modern European History (one unit)

As much as is contained in Robinson's Mediaeval and Modern Times from chapter 21 to the end.

English History (one unit)

As much as is contained in Larned's or Cheyney's History of England.

American History with the Elements of Civil Government (one unit)

As much as is contained in Fiske's History of the United States, and Fiske's Civil Government.

MATHEMATICS

Elementary and Intermediate Algebra (*one and one-half units*)

I. Algebra to Quadratics: The four fundamental operations for rational algebraic expressions, factoring, highest common factor, lowest common multiple, complex fractions, the solution of equations of the first degree containing one or more unknown quantities, radicals, including the extraction of the square root of polynomials and numbers, and fractional and negative exponents.

II. Quadratics, etc.: Quadratic equations and equations containing one or more unknown quantities that can be solved by the methods of quadratic equations, problems depending upon such equations, ratio and proportion, and the binomial theorem for positive integral exponents.

Advanced Algebra (*one-half unit*)

The progressions; the elementary treatment of permutations and combinations; the use of four and five place tables of logarithms; undertermined coefficients; the elementary treatment of infinite series, the binomial theorem for fractional and negative exponents; the elementary treatment of the theory of equations.

Plane Geometry (*one unit*)

General text propositions, including the solution of simple original exercises and numerical problems.

Solid Geometry (*one-half unit*)

Properties of straight lines and planes, of dihedral and polyhedral angles, of projections, of polyhedrons, including prisms, pyramids, and the regular solids; of cylinders, cones, and spheres; of spherical triangles and the measurement of surfaces and solids.

Plane Trigonometry (*one-half unit*)

The definitions and relations of the six trigonometrical functions as ratios, proof of important formulas, theory of logarithms and use of tables, solution of right and oblique plane triangles.

PHYSICS

(*One unit*)

It is recommended that the candidate's preparation should include:

a. Individual laboratory work, comprising at least thirty-five exercises well distributed over the subjects of physics.

b. Instruction by lecture-table demonstrations.

c. The study of at least one standard text-book, supplemented by the use of many and varied numerical problems. The metric system should be familiar to the student.

The laboratory note-book must be submitted for inspection, whether the candidate is admitted on certificate or by examination.

CHEMISTRY

(*One unit*)

The candidate's preparation in chemistry should include:

a. Individual laboratory work, comprising at least forty experiments of a character analogous to those set forth by the College Entrance Examination Board. The laboratory note-book must be submitted for inspection.

b. Instruction by lecture-table demonstrations.

c. The study of at least one modern text-book.

Requirements.—The ground to be covered should include the following: The chief physical and chemical characteristics, the isolation and the recognition of the following elements and the preparation and study of their principal compounds: *Oxygen*, *hydrogen*, *carbon*, *nitrogen*, *chlorine*, *bromine*, *iodine*, *fluorine*, *sulphur*, phosphorus, silicon, potassium, *sodium*, calcium, magnesium, *zinc*, copper, mercury, silver, aluminum, *lead*, tin, *iron*, manganese, chromium.

The more detailed study should be confined to the italicized *elements* (as such) and to a restricted list of compounds, such as water, hydrochloric acid, carbon monoxide, carbon dioxide, oxides of nitrogen, nitric acid, ammonia, sulphur dioxide, sulphuric acid, hydrogen sulphide, sodium hydroxide, ammonium hydroxide.

Attention should be given to the mosphere (constitution and relation to animal and vegetable life), flame, acids, bases, salts, oxidation and reduction, crystallization, combining proportions by weight and volume, calculations founded on these and on Boyle's and Charles' laws, symbols, formulas, equations and nomenclature, atomic theory, atomic weights, nascent state, natural groupings of the elements, solution (solvents and solubility of gases, liquids, and solids), strength of acids and bases, conservation and dissipation of energy, chemical energy and electrolysis, and of valence, electrolytic dissociation, osmosis, mass action in a very elementary way. Chemical terms should be clearly understood, and the student should be able to illustrate and apply the ideas that they embody. The theoretical topics are not intended to form separate subjects of study, but to be taught only so far as is necessary for the correlation and explanation of the experimental facts. The facts should be given as examples from various classes and not as isolated things.

ADDITIONAL SUBJECTS

Certificates will be accepted in botany, zoology, physiology, physiography, political economy, drawing, music, and other accredited subjects in secondary schools.

Manual-training High School Subfects

Technical subjects in manual-training high schools, or schools of similar grade, when duly certified, will be credited as follows:

Shopwork (not exceeding two units), domestic science and domestic art (not exceeding two units).

Business High School Subjects

Commercial subjects in business high schools or schools of similar grade, when duly certified, will be credited to the extent of four units.

ADMISSION TO ADVANCED STANDING

Due credit is given for properly certified courses of study pursued in other colleges and universities.

SPECIAL STUDENTS

All the courses of instruction are open to students of suitable age and attainments who wish, without reference to any degree, to pursue special studies. Candidates must show that they are familiar with the subjects preliminary to the studies which they wish to pursue.

SCHOLARSHIPS AND PRIZES

Applications for scholarships should be filed with the Dean of the College in which the student is to register not later than September fifteenth. All Scholarships except the Kendall Scholarship and the University Scholarships are awarded for one year only but they may be renewed. Any student holding a scholarship who fails to obtain a general average of 85 per cent on the work of any term, or whose deportment is unsatisfactory, will be reported to the President's Council, and in the absence of extenuating circumstances the scholarships will be revoked. All scholarships are awarded by the Faculty of Arts and Sciences on recommendation of its Committee on Scholarships and other University aid.

SCHOLARSHIPS FOR COMPETITION

The University offers the following scholarships to be awarded on competitive examination given at the time of the May entrance examinations. Holders of these scholarships are expected to pursue a regular course in one of the colleges of the Department of Arts and Sciences. No scholarship is awarded to a candidate whose examination average is below 80 per cent.

Kendall Scholarship.—The Kendall Scholarship, founded by the late Hon. Amos Kendall, is annually conferred on that member of the graduating class of any of the Washington High Schools who attains the highest average in the entrance examinations. This scholarship continues throughout the undergraduate course, and the student holding it pays only the registration, laboratory, and graduation fees.

University Scholarships.—The University offers also six scholarships, to be awarded annually to members of the graduating classes of any of the Washington High Schools. These scholarships continue throughout the undergraduate course, and students holding them pay only the registration, laboratory, and graduation fees.

SCHOLARSHIPS FOR ASSIGNMENT

Davis Scholarship.—This is the income of a fund of one thousand dollars given to the University in October, 1869, by Hon. Isaac Davis, of Massachusetts.

Mary Lowell Stone Scholarship.—This scholarship was founded by a woman in memory of a woman student of science. It consists of a fund of two thousand dollars, the income from which is to be paid to needy women students of science in the University.

Maria M. Carter Scholarship.—This is the income of a fund of one thousand dollars given to the University in 1871 by Mrs. Maria M. Carter.

Farnham Scholarship.—This is the income of a fund of one thousand dollars given to the University in 1871 by Mrs. Robert Farnham.

Withington Scholarship.—This scholarship was founded in 1830, by the New York Baptist Theological Seminary, to be known as the Withington scholarship. It has an annual stipend in tuition fees of sixty dollars.

Walker scholarship.—This scholarship was founded in 1824 by William Walker, Esq., of Putnam County, Georgia. It carries an annual stipend of one hundred dollars in tuition fees available for an undergraduate intending to enter the Christian ministry.

Morehouse Scholarship.—This scholarship was founded by Mr. A. Morehouse, of Washington, D. C., in 1861. It carries an annual stipend of sixty dollars in tuition fees available for an undergraduate intending to enter the Christian ministry.

Nellie Maynard Knapp Scholarship Fund.—A fund of $5,000 established in 1915 by the Columbian Women in memory of its president, Mrs. Martin A. Knapp, to provide scholarships for women. Application may be made to any of the Deans in the Department of Arts and Sciences.

Henry Harding Carter Scholarships.—These scholarships, founded by Mrs. Maria M. Carter in memory of her husband, Henry Harding Carter, consist of four scholarships of the annual value of fifty dollars each, and may be awarded to deserving students who are preparing for the civil engineering profession.

The Isabel Anderson Scholarship Fund.—A fund of $1,000 given by Isabel (Mrs. Larz) Anderson, Litt. D., for the education of needy Filipino students. Students under this fund are nominated by the Bureau of Insular Affairs of the War Department.

The Byron Andrews Scholarship Fund.—A fund founded by Mrs. Belle Fisk Andrews in memory of her husband, the late Byron Andrews, to provide scholarships "For ambitious and needy students, who desire to pursue courses in English, Latin, Journalism, History, Literature or Political Science."

Founders of Columbian Women Scholarship.—This scholarship was established by the Columbian Women in 1920. At present it consists of a fund of $1,800 the income from which may be assigned to a deserving woman student. Application may be made to any of the Deans of the Department of Arts and Sciences.

Admiral Powell Endowment.—The Admiral Powell Endowment was made by Admiral Levin M. Powell, U. S. Navy. The income from this endowment is for the "free education of such young men as may desire to take advantage of the said endowment by way of their preparation for entrance into the Naval Academy at Annapolis, Maryland, or such as may fit them to become mates or masters in the Merchant Marine Service of the United States," and of "such apprentices as, having filled their time in the great steam manufactory establishments of the country, may apply for appointment from civil life in the Steam Engineer Department of the United States Navy." The number of scholarships awarded each year will be determined by the income from the endowment. Each scholarship will entitle the beneficiary to free tuition for one year. Such special courses of study are offered to each student as will give him the instruction needed to accomplish the purpose for which he is awarded the scholarship.

These scholarships are especially applicable to those who intend to come up for examination as warrant officers in the Engineer Department of the Navy, to warrant officers who are preparing for examination for appointment as Ensign, to persons desiring to enter the Navy as Acting Ensigns for engineering duty, or to those who desire to fit themselves for responsible positions in the mercantile marine.

The subjects to be taken by a student will vary according to his preparation and according to the purpose for which he has been awarded the scholarship, but a year's work can be selected from the following topics:

	Hours
Navigation and Nautical Astronomy	4
Algebra and Geometry	6
Trigonometry	3
Mechanical and Machine Drawing	8
English	6
French	6
German	6
Spanish	6
International Law	6
Commercial Geography	6
Boilers and Power Plants	3
Mechanical Laboratory	4
Electrical Engineering	6

Ministerial Aid.—The University authorizes the remission of a stated amount in tuition fees, to be called Ministerial Aid, which may be given to students, resident in the District of Columbia or its immediate vicinity in the regular courses of Columbian College, preparing for the ministry and not yet ordained. Any student receiving Ministerial Aid may be called upon for clerical or like work to the extent of not more than one hour a week for every twelve dollars of tuition remitted, and of not more than four hours in any one week.

University Aid.—The University authorizes the remission of a stated amount in tuition fees, to be called University Aid, which may be loaned to undergraduate students in regular courses in the Departments of Arts and Sciences, whose circumstances warrant pecuniary assistance. Any student receiving University Aid is expected to repay it as soon as possible. In occasional instances he may be enabled, while still a student, to repay it in part or whole through clerical or like service rendered the University.

PRIZES

(Only candidates for degrees may compete for these prizes)

Staughton and Elton Prizes.—The Staughton Prize, for excellence in the Latin Language and Literature, and the Elton Prize, for excellence in the Greek Language and Literature, founded by the Rev. Romeo Elton, D. D., of Exeter, England, consist of two gold medals, annually awarded to the best scholar in each of these languages.

Ruggles Prizes.—The Ruggles Prizes, for excellence in Mathematics, founded by Professor William Ruggles, LL. D., consist of two gold medals, annually awarded upon examination to the best two scholars in Mathematics.

Davis Prizes.—The Davis Prizes were founded by Hon. Isaac Davis, of Massachusetts, in 1847. The original endowment was five hundred dollars, "proceeds of which will afford three premiums, in cash or gold medals, of the value of five dollars, of ten dollars, and of fifteen dollars annually—these premiums or prizes to be distributed annually to such members of the Senior Class as shall have made the greatest progress in elocution since their connection with the College." Only members of the Senior Class are eligible to compete for these prizes.

Daughers of the American Revolution Prizes.—These prizes founded by the Daughters of the American Revolution of the District of Columbia, consist of two gold medals, awarded annually to the two students in the graduating class who, having maintained a high standing in the regular courses in Mediaeval, Modern European, English, and American History during three years, shall produce the best essays upon an assigned topic of American history.

The Thomas F. Walsh Prize.—This prize, established by Thomas F. Walsh, Esq., of Colorado, and based upon the income of one thousand dollars, consists of a gold medal awarded annually to that student of the

graduating class who, having maintained a high standard in the regular classes of Mediaeval, Modern European, English, and American History, shall produce the best essay upon a designated period of the History of England.

E. K. Cutter Prize.—The E. K. Cutter Prize in English was founded by the late Marion Kendall Cutter. The endowment is a fund of one thousand dollars, the income of which is given annually as a prize "for excellence in the study of English." The prize will be awarded to the member of the graduating class whose record in English, combined with general excellence, shows most marked aptitude and attainment in English studies.

Willie E. Fitch Prize.—The Willie E. Fitch Prize, for highest excellence in all branches of Chemistry, founded by James E. Fitch, Esq., in memory of his son, consists of fifty dollars, which is awarded annually for the best examination in Chemistry.

The Gardiner G. Hubbard Memorial Prize.—This is a prize in American History established by Mrs. Gertrude M. Hubbard in memory of her husband, the late Gardiner G. Hubbard. The endowment is a fund of one thousand dollars, the income from which is to be given annually to that member of the graduating class who has during four years maintained a high standing in the classes of American History, and who has produced the best essays upon subjects based upon a study of some assigned period of American history.

Muth Prize.—Geo. F. Muth and Company offer a slide rule to the student who makes the highest record in Mechanical Drawing 1.

Colonial History Prize.—The Society of the Colonial Dames of America, Chapter III, offers annually a gold medal for excellence in American Colonial History. This prize will be awarded by the professor of History for general excellence in this subject as shown by class standing, by special essays, and by such other tests as shall be prescribed.

James Macbride Sterrett, Jr., Prize.—Founded by Professor James Macbride Sterrett, in memory of his son, consists of a gold medal annually awarded to that student taking Course 1 in Physics who obtains the highest average in a special examination on a given subject and in the writing of an essay on an assigned topic.

The Chi Omega Prize in Philosophy.—An annual prize of fifteen dollars is offered by the Phi Alpha Chapter of the Chi Omega Fraternity for the best essay on a philosophical subject to be announced at the close of the preceding academic year by the Committee in Charge. Essays must meet the requirements defined by the Committee and be submitted on or before April 1. Only women students who are members of a senior class in the Department of Arts and Sciences, and who are or have been registered in General Psychology, Logic, and the History of Philosophy, are eligible to compete.

Sigma Kappa English Prize.—An annual prize of a set of books to the value of ten dollars is offered by the Sigma Kappa Fraternity to the student passing the best examination in the year's work in English Rhetoric. All members of the classes in English Rhetoric are eligible for this special examination, which will be given during the final examinations.

Pi Beta Phi Prize in Political Science.—The Pi Beta Phi Fraternity has set aside ten dollars as a prize for the best essay written during the year by a student of political science on a subject approved by the instructor. The essays must be submitted by May first.

Pi Beta Phi Prize in Education.—An annual prize of ten dollars is offered by the Pi Beta Phi Fraternity for the best essay on an educational topic. The essays will be judged by a committee of three, consisting of the Professor of Education and two others designated by him. The essays must be submitted by May first.

Phi Mu Prize in Playwriting.—An annual prize is offered by the Phi Mu Fraternity for a one-act play of approved excellence written by a student in the University. The award will be made by the English Department of the University, and the George Washington University Players shall have the opportunity to give the first production of the play.

Sigma Kappa Prize in Chemistry.—A prize of ten dollars is offered annually by Zeta Chapter of Sigma Kappa Fraternity to that student who passes the best examination in Chemistry 1, 2 and 23.

Genevieve Chatterton McCutchins Prizes.—Two cash prizes of $25.00 and $15.00, based on the income of a memorial fund of one thousand dollars, to be awarded annually for the best and the next best essays on subjects connected with Archaeology or Painting. In their award consideration will be given to students' knowledge of contemporary literature, history, or music, as relating to the progress of the fine arts. These prizes are open to both graduates and undergraduates.

Kappa Alpha Prize in Economics.—An annual prize of ten dollars is offered by the Alpha Nu Chapter of Kappa Alpha Fraternity for the best essay on a subject in the field of Economics. The essays will be judged by a committee of three, consisting of the Professor of Economics, a member designated by the Fraternity and a third member designated by the first two. The essays must be submitted by the first of May.

DAVIS PRIZE SPEAKING

The Davis Prize Speaking is held on the second Tuesday after the Easter holidays. The award of these three prizes is determined by a public speaking contest, in which the participants deliver original orations. Senior students wishing to enter the competition should report to the Dean of Columbian College not later than five weeks before the contest, and submit their orations not later than three weeks before the contest. The prizes are awarded by a committee consisting of three members, selected by the Faculty of the Columbian College.

PRIZE AWARDS, 1918-1919

Staughton Prize.—Rebekah Sanborn.

Ruggles Prizes.—Frank Langelotti.

Davis Prizes.—First prize, Earle Milburn Wallick; second prize, Margaret Joanna Prentiss; third prize, Lasalia McCaffrey.

Daughters of the American Revolution Prizes.—Sadie White Beller, Ralph Aaron Styer.

Thomas S. Walsh Prize.—Lino Juan Castillejo.

E. K. Cutter Prize.—Margaret Joanna Prentiss.

Gardner G. Hubbard Prize.—Earle Milburn Wallick.

Muth Prize.—Frank Russell Garman.

Colonial Dames Prize.—Eugene Underwood.

Chi Omega Prize in Sociology.—Mary Louise Sturman.

Sigma Kappa Prize.—Ora May Mon.

Pi Beta Phi Prize in Political Science.—Herbert Clarence Fooks.

Pi Beta Phi Prize in Education.—Charles Geschicketer.

Phi Mu Prize.—Evelyn Emig.

HIGH SCHOOL SCHOLARSHIP AWARDS, 1918-1919

Kendall Scholarship.—Henry Temin, Central High School.

First University.—Ellis Haworth, Eastern High School.

Second University.—Harry Friedenberg, Central High School.

Third University.—Elizabeth H. Kendrick, Central High School.

Fourth University.—Janet Elliot, Central High School.

Fifth University.—William Harris, McKinley Manual Training School.

Sixth University.—Marjorie S. Gerry, Central High School.

COLLEGE CHAPEL

Chapel Services are held at 12.20 p. m., Monday, Wednesday, and Friday, throughout the academic year.

The Deans of the Colleges will confer with students as they may desire on questions concerning their welfare and will co-operate with them in all ways to make the college life one of personal helpfulness.

For catalogues, application blanks, and further information, address

THE RECORDER,
The George Washington University,
2023 *G Street, Washington, D. C.*

FEES

1. Annual registration fee ..... $ 2
2. *Tuition fee for each semester-hour credit* of courses leading to the degrees of A. B., S. B., A. M., S. M., C. E., E. E., M. E 6
   The maximum fee charged in any one year is $180.
3. Tuition fee per annum for graduate courses leading to the degree of Ph. D 180

4. Registration fee for students taking problems of the Beaux Arts Society 2
5. Laboratory courses:
   Material fees:
   - Experimental Psychology 2
   - Geology 1, Zoology, Botany, each 5
   - Mechanical Engineering 9, 10, 11, each 5
   - Chemistry 2, 3, 7, 28 and 30; Electrical Engineering; Physics, each 10
   - Chemistry 4 (Assaying) 20
   - Chemistry 8 5
   - Chemistry, 20, 21 and 25, each 25

   Deposits to cover breakage of apparatus issued, the amount paid in excess of breakage to be returned:
   - Chemistry, 2, 3, 7, 8, 28 and 30, each 10
   - Chemistry, 20 15
   - Chemistry, 21 and 25, each 20
6. Microscope rental in Botany and Zoology 1 5
7. Tuition fee for the following special course, not taken by candidates for a degree:
   - Chemistry 4 (Assaying) 40
8. Fee for certificates under the seal of the University 2
9. Fee for graduation 10

The above fees are for students entering in September, 1918, or afterwards. Students who were in attendance in 1917-18 and each year since then will pay fees according to the announcements in the catalogue for 1917-18, published in March, 1917.

Students are registered for the college year unless otherwise stated on the registration paper. All requests for withdrawals or for changes in courses of study must be made in writing to the Dean, and a student is liable for all charges for the courses for which he has registered unless changes are approved by the Dean.

All charges are by the scholastic year. Registration, library and other special fees, and laboratory deposits are due in full in advance. Tuition and laboratory material fees may be paid in eight monthly installments in advance. Students unable to pay their fees monthly in advance will be required to furnish as security an acceptable personal or corporate bond for $200 for which a charge of $3.00 will be made.

The first monthly payment is due not later than October first, and subsequent monthly payments are due on the first of each month. A student has no right to attend a class if his fees are unpaid and may be excluded by the Dean.

All fees are payable at the office of the treasurer of the University, 2101 G Street.

COLUMBIAN COLLEGE

ADMISSION

Candidates for admission to the Freshman Class in Columbian College must meet the general admission requirements (p. 00) of fifteen units. A unit represents a year's study in any subject in a secondary school, constituting approximately a quarter of a full year's work. *The fifteen units of the entrance requirement must include English, 3 units; Mathematics, 2½ units; and one of the following languages: Latin, Greek, French, German, or Spanish, 2 units.* The remainder of the requirements is elective and may be satisfied in general by any accredited secondary school subjects.

For admission to advanced standing or as special students, see (p. 30.)

REQUIREMENTS FOR DEGREES

The undergraduate degrees offered by Columbian College are Bachelor of Arts, and Bachelor of Science in Medicine. To be recommended for either of these degrees, the student must satisfy the admission requirements, and must complete at least one hundred and twenty semester-hours of undergraduate courses *at least twenty-four semester-hours of which (or twelve semester-hours in the combined courses), must be completed in Columbian College.* A "semester-hour" of credit is one recitation or lecture a week or one laboratory period a week for one semester. No time limit for the course is prescribed and the degree is given when the total of prescribed and elective studies is completed.

The class hours are so arranged that persons who can give only part time to college work may complete a full college course and obtain a degree. Such students usually take six years to complete the course. Classes in required and elective subjects are scheduled in the two class periods from five-ten o'clock to six-fifty. The drawing rooms and laboratories are open from nine o'clock in the morning until half past ten at night.

One grade of special distinction is recognized in awarding the bachelor's degree. It is shown by inserting the words "With Distinction" on the diploma after the name of the degree. It is awarded under the following conditions:

"That the names of all students who have received a mark of at least B (90 per cent) on courses representing at least sixty (60) per cent of all hours taken by them be submitted by the Dean to the Faculty of the Department in which the student shall be studying for a degree, after the completion of all final examinations in such student's final year of study for their degree;

"That the Faculty, after separate consideration of each individual case, shall, if it see fit, recommend the awarding of the degree 'With Distinction' to students who shall have fulfilled the conditions above specified."

FOR THE DEGREE OF BACHELOR OF ARTS

To be recommended for the degree of Bachelor of Arts, the student must complete courses of study amounting to at least one hundred and twenty semester-hours including a group of prescribed subjects.

There are six curriculum groups, each leading to the degree of Bachelor of Arts. Every candidate for the degree of Bachelor of Arts selects one of these groups, and thereafter he is not permitted to change to another group except on condition that he fulfill the requirements of the group to which he changes.

The studies of the last two years are largely elective, subject to such administrative supervision as will insure the general consistency and the liberal character of the courses selected.

The scope of the six curriculum groups is a provision alike for the diversity in the subjects of the secondary school curriculum leading to a college course, and the needs of the various graduate and professional courses of study in the University for which the college course is a preparation.

Group I emphasizes Latin and Greek studies, and it would naturally be taken by the student whose preparatory work has included four years of Latin or two years of preparatory Latin supplemented by "Latin B" in college.

Group II emphasizes the Modern Languages, affording to students whose preparation has not included Latin the humanistic influences of the literatures of the Modern Languages.

Group III emphasizes Mathematics and the Natural Sciences, and would naturally be selected by the student whose college preparation has been scientific rather than literary.

Group IV emphasizes Political Science and Economics and History, constituting important preparation for the Law School or the public service.

Group V includes all the pre-medical subjects and is specially constituted as a regular college course in preparation for the Medical School.

Group VI emphasizes Commerce and kindred subjects in preparation for commercial life or the public service.

(Note—Whenever in the following groups a modern language is taken, if it is elementary, the same language shall be continued the succeeding year.)

GROUP I, LATIN

	Semester Hours
Latin*	12
Foreign Languages	18
English	12
History	6

	Semester Hours
Mathematics	6
Philosophy	6
Electives	60
	120

GROUP II, MODERN LANGUAGES

	Semester Hours
Modern Languages	24
English	12
History	12
Philsosophy	12
Political Science	6
Natural Science	6
Electives	48
	120

GROUP III, NATURAL SCIENCE

	Semester Hours
Natural Science	18
Mathematics	12
English	6
Modern Languages	12
Philosophy	6
Economics	6
Electives	60
	120

* Students who offer only the two elementary units of Latin for admission may qualify for Group I by taking "Latin B" in college (see p. 95), but this will not be counted as a part of the twelve semester-hours of Latin required in this group.

GROUP IV, POLITICAL SCIENCE

	Semester Hours
Political Science and Economics	18
History	12
Commerce	6
English	6
Modern Languages	12
Mathematics	6
Philosophy	6
Electives	54
	120

GROUP V, PRE-MEDICAL

	Semester Hours
Chemistry, 1, 2 and 8	16
Physics, 3 and 4	10
Zoology, 1 and 2	12
English	6
Modern Languages (preferably French or German)	12
Philosophy (including Psychology)	6
Mathematics	6
Electives	52
	120

GROUP VI, COMMERCE

	Semester Hours
Commerce	16
Economics	10
Political Science and History	18
English	6
Modern Languages	12
Mathematics	6
Philosophy (including Psychology)	6
Electives	46
	120

SIX-YEAR COURSE FOR THE DEGREES OF BACHELOR OF ARTS AND BACHELOR OF LAWS

Professional courses in Law will be credited towards the degree of Bachelor of Arts to the extent of thirty semester hours. On the completion of ninety semester hours of work in college, *at least twelve semester-hours of which must be taken in Columbian College*, including all of the required subjects in some one of the curriculum groups, and of the first year of the regular course in the Law School, the student will receive the degree of Bachelor of Arts. This combined course contemplates three years of college study and three years in the Law School. The effect is to shorten the period of study for the two degrees one year.

SEVEN-YEAR COURSE FOR THE DEGREE OF BACHELOR OF ARTS AND DOCTOR OF MEDICINE

Professional courses in Medicine will be credited towards the degree of Bachelor of Arts to the extent of thirty semester hours. On the completion of ninety semester hours of credit in college, *at least twelve semester-hours of which must be taken in Columbian College*, including all of the required subjects in some one of the curriculum groups, preferably Group V, and on the completion of the first year of the regular course in the Medical School, the student will receive the degree of Bachelor of Arts. This combined course contemplates three years of college study and four years in the Medical School. The effect is to shorten the period of study for the two degrees one year.

PUBLIC SERVICE COURSES

These courses are designed to impart general culture and a broad grasp of public questions, and thus to provide a training that will prove of value in commercial life, the practice of law, or public service. The work prescribed is broader than the requirement for entrance into the Consular and Diplomatic Service, so that the student who completes with credit the appropriate courses has a training that will fit him to rise to the higher positions in the service to which he may be appointed.

Regular students who are preparing for the Government Service should register for Group IV or Group VI, of the curriculum requirements for the degree of Bachelor of Arts, and should elect, also, the subjects named in Section 2 of the "Regulations Governing Examinations Promulgated by the Board of Examiners, December 13, 1906."

Special students who are preparing for the Consular Service examinations should register for such courses as relate to subjects named in Section 2, of the Government Regulations.

REGULATIONS GOVERNING EXAMINATIONS PROMULGATED BY THE BOARD OF EXAMINERS, DECEMBER 13, 1906*

Section 2 reads as follows: The examinations will consist of an oral and a written one, the two counting equally. The object of the oral examination will be to determine the candidate's business ability, alertness, general contemporary information, and natural fitness for the service, including moral, mental, and physical qualifications, character, address, and general education and good command of English. In this part of the examination the applications previously filed will be given due weight by the Board of Examiners, especially as evidence of the applicant's business experience and ability. The written examination will include those subjects mentioned in the Executive order, to-wit, at least one modern language other than English—French, German, or Spanish;* the natural, industrial, and commercial resources and the commerce of the United States, especially with reference to possibilities of increasing and extending the foreign trade of the United States; political economy, and the elements of international, commercial, and maritime law. It will likewise include American history, government, and institutions; political and commercial geography; arithmetic (as used in commercial statistics, tariff calculations, exchange, accounts, etc.); the modern history, since 1850, of Europe, Latin America, and the Far East, with particular attention to political, commercial, and economic tendencies. In the written examination, composition, grammar, punctuation, spelling, and writing will be given attention.

Students who seek a designation for consular and diplomatic examination should apply to the Department of State for full information. Consular service examinations are held in Washington only.

SUGGESTIONS FOR FRESHMEN COURSES IN THE CORRICULUM GROUPS

GROUP I, LATIN

Latin 1 or "B," English, History, Mathematics, French or German.

GROUP II, MODERN LANGUAGES

French, German, English, History, Chemistry 1 (or Chemistry 1 and 2).
French or German, Spanish, English, History, Mathematics.
French or German, Spanish, English, Political Science, Zoology.

GROUP III, NATURAL SCIENCE

Chemistry 1 and 2, Mathematics, English, French, German or Spanish, Economics.

GROUP IV, POLITICAL SCIENCE

Political Science, History, English, French or German, Mathematics.
Economics, Political Science, English, Mathematics, Spanish.
Economics, English, History, Mathematics, Spanish.

* As amended by Board of Examiners, February 18, 1911.

GROUP V, PRE-MEDICAL

Chemistry 1 and 2, Zoology 1, English, French or German, Mathematics.

GROUP VI, COMMERCE

Economics, Commerce, English, French or Spanish, Political Science or History, Mathematics.

GENERAL SUGGESTIONS

English Rhetoric (1 or 2) is required in every curriculum group. Mathematics is required in every group except the second, History should begin with Mediaeval history, Modern Languages should be taken in a sequence of at least two years in the same language. Information about all studies is given in the alphabetical arrangement of subjects under "Courses of Instruction."

The specified subjects in the selected group should be taken in the earlier part of the college course leaving the electives for the later years. Subjects should be chosen with view to an even distribution through the days of the week. Most courses come three times a week, either on Monday, Wednesday and Friday, or on Tuesday, Thursday and Saturday. Most general culture subjects are given in two sections, one early in the day and one late. Students who have all their time for college work should take the early sections. The late sections are given in the last two periods, at five-ten o'clock or at six o'clock, in order to afford to those employed in Government offices the opportunities of college study. Teachers in the public schools can usually take also the courses announced for four o'clock.

Fifteen hours a week is a standard amount of work for completing the college course in four years. When the college work is limited to the last two periods and the evening laboratory periods, the length of the course is generally six years.

Detailed information about fees is given on page 36.

FOR THE DEGREE OF BACHELOR OF SCIENCE IN MEDICINE

SIX-YEAR COURSE FOR THE DEGREES OF BACHELOR OF SCIENCE IN MEDICINE AND DOCTOR OF MEDICINE

Regular students in this course will complete in two years the prescribed work in college, at least twelve semester hours of which must be taken in Columbian College, and the four-year course in the Medical School. On the completion of this six-year course, the student will receive at the same time the degrees of Bachelor of Science in Medicine and Doctor of Medicine. The curriculum for the Freshman and Sophomore years in college, including the pre-medical requirements, is as follows:

Freshman Year

	Semester Hours
Chemistry 1 and 2	10
English 1 or 2	6
French or German	6
Mathematics	6
Zoology 1	6
Electives	2
	36

Sophomore Year

	Semester Hours
Chemistry 8	6
French, German or Spanish	6
Philosophy (including Psychology)	6
Physics 3 and 4	10
Zoology 2	6
Electives	2
	36

SPECIAL COURSE FOR ADMISSION TO THE MEDICAL SCHOOL

First Year

	Semester Hours
Chemistry 1 and 2	10
English 1 or 2	6
Zoology 1	6
Electives	8
Total semester hours	30

Second Year

	Semester Hours
Physics 3 and 4	10
Zoology 2	6
Chemistry 8	6
Electives	8
Total semester hours	30

NOTE.—The Council on Medical Educational of the American Association states:—"Of the 60 semester hours required as the measurement of 2 years work, at least 18, including the 6 semester hours in English, should be in subjects other than the physical, chemical, or biologic science."

COLLEGE OF ENGINEERING

ADMISSION

Candidates for admission to the Freshman Class in the Civil Engineering, Electrical Engineering, Mechanical Engineering and Chemical Engineering Courses are required to present fifteen units for admission, distributed as follows:

	Units
English	3
French, German or Spanish	2
Plane and Solid Geometry	1½
Elementary and Advanced Algebra	2
Plane Trigonometry	½
Chemistry	1
Physics	1
Electives	4
Total	15

Candidates for admission to the Freshman Class in the Chemistry Course are required to present fifteen units for admission, distributed as follows:

	Units
English	3
French, German or Spanish	2
Plane Geometry	1
Elementary and Intermediate Algebra	1½
Chemistry	1
Electives	6½
Total	15

Candidates for admission to the Freshman Class in the Architectural Course are required to present fifteen units for admission, distributed as follows:

	Units
English	3
French, German or Spanish	2
Plane and Solid Geometry	1½
Elementary and Advanced Algebra	2
Plane Trigonometry	½
Electives	6
Total	15

For detailed descriptions of the requirements in each preparatory subjects see pages 23-30.

For admission to advanced standing as a special student, see page 30.

COURSES FOR A DEGREE

Six courses of study are offered:

I. Civil Engineering.
II. Electrical Engineering.
III. Mechanical Engineering.
IV. Chemical Engineering.
V. Chemistry.
VI. Architecture.

These courses occupy four years each, and lead to the degree of Bachelor of Science in Civil Engineering, in Electrical Engineering, in Mechanical Engineering, in Chemical Engineering, in Chemistry and in Architecture, respectively. Graduate courses of one year under the Faculty of Graduate Studies of the George Washington University are open to those who receive the appropriate engineering degrees, and lead, respectively, to the degrees of Civil Engineer, Electrical Engineer, and Mechanical Engineer.

The class hours are so arranged that persons who can give only part time to college work may complete a full engineering course and obtain a degree. Such students usually take six years to complete the course. Classes in all the general studies of the engineering courses and in many of the technical subjects are regularly scheduled in the two class periods from five-ten o'clock to six-fifty; and other technical courses are given in alternate years in these periods. The drawing rooms and laboratories are open from nine o'clock in the morning until half past ten at night.

REQUIREMENTS FOR A DEGREE

The arrangement of the topics in each of the regular courses for degree is shown below. The numbers following the names of subjects refer to the courses as given in the list of Department Subjects on page 63, to which reference should be made for more complete description.

CIVIL ENGINEERING COURSE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN CIVIL ENGINEERING

FRESHMAN YEAR

	Semester-Hour Credits
Chemistry, 1, 7	10
General Chemistry and Qualitative Analysis.	
English, 1 or 2	6
Rhetoric.	
French, German or Spanish	6

Semester-Hour Credits

Mechanical Drawing, 1, 8 6
Mechanical Drawing; Descriptive Geometry.

Mathematics, 9 or 12 6
Trigonometry; Analytic Geometry.

SOPHOMORE YEAR

Astronomy, 2 2
Practical Astronomy.

Civil Engineering, 1, 3, 4 14
Surveying; Highway Engineering; Materials of Construction.

Commerce, 33 4
Commercial Law.

Mathematics, 20 or 21 6
Calculus.

Physics, 1, 2 10
General Physics; Laboratory Physics.

JUNIOR YEAR

Applied Mathematics, 20, 21, 22 12
Mechanics; Hydraulics, Mechanics or Materials.

Civil Engineering, 2, 22 16
Railroad Engineering; Theory of Structures.

Electrical Engineering, 6 4
Industrial Electricity.

Geology, 21 4
Engineering Geology.

SENIOR YEAR

Civil Engineering, 21, 23, 24, 27 30
Hydraulic Engineering; Theory of Structures; Sanitary tary Engineering; Reinforced Concrete.

Elective 4

ELECTRICAL ENGINEERING COURSE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

FRESHMAN YEAR

Identical with the Civil Engineering Course

SOPHOMORE YEAR

Semester-Hour Credits

Civil Engineering, 4 4
Materials of Construction.

	Semester Hour Credits
Commerce, 33 Commercial Law.	4
Mathematics, 20 or 21 Calculus.	6
Mechanical Drawing, 2 Machine Drawing.	4
Mechanical Engineering, 1 Mechanism.	8
Physics, 1, 2 General Physics; Laboratory Physics.	10

JUNIOR YEAR

Applied Mathematics, 20, 21, 22 Mechanics; Hydraulics; Mechanics of Materials.	12
Chemistry, 6 Metallurgy.	2
Electrical Engineering, 1, 2, 3, 4, 5 Mathematical Theory of Electricity; Direct Current Theory and Machinery; Design; Electrical Engineering Laboratory.	14
Mechanical Engineering, 9, 20 Engineering Laboratory; Thermodynamics, Steam Boilers and Power Plant Accessories.	8

SENIOR YEAR

Civil Engineering, 5, 6 Surveying Instruments; Foundations.	2
Electrical Engineering, 21, 22, 23, 24, 27, 28, 29 Alternating Currents; Electrical Distribution; Electrical Applications; Electrical Engineering Laboratory; Electric Railways; Telephones and Telegraph; Electric Illumination.	22
Mechanical Engineering, 10, 23 Engineering Laboratory; Hydraulic Machinery.	4
Electives	6

MECHANICAL ENGINEERING COURSE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

FRESHMAN YEAR

Identical with the Civil Engineering Course

SOPHOMORE YEAR

	Semester-Hour Credits
Civil Engineering, 4	4
Materials of Construction.	
Commerce, 33	4
Commercial Law.	
Mathematics, 20 or 21	6
Calculus.	
Mechanical Drawing, 2	4
Machine Drawing.	
Mechanical Engineering, 1	8
Mechanism.	
Physics, 1, 2	10
General Physics; Laboratory Physics.	

JUNIOR YEAR

Applied Mathematics, 20, 21, 22	12
Mechanics; Hydraulics; Mechanics of Materials.	
Civil Engineering, 22	5
Theory of Structures.	
Mechanical Engineering, 9, 20, 24, 26, 27	16
Engineering Laboratory; Thermodynamics, Steam Boilers and Power Plant Accessories; Advanced Mechanism, Dynamics of Machinery; Power Plant Problems.	
Electrical Engineering, 2	6
Dynamos and Motors.	

SENIOR YEAR

Chemistry, 6	2
Metallurgy.	
Civil Engineering, 5, 6	2
Surveying Instruments; Foundation.	
Electrical Engineering, 4, 5	4
Electrical Laboratory.	
Mechanical Engineering, 10, 11, 23, 25, 28, 29, 30, 31	21
Engineering Laboratory; Hydraulic Machinery; Machine Design; Industrial Management; Heating and Ventilating; Gas Engines; Steam Turbines.	
Electives	3

CHEMICAL ENGINEERING COURSE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING

FRESHMAN YEAR

	Semester-Hour Credits
Architecture, 2	2
Free hand Drawing.	
Chemistry, 1, 2	10
General Chemistry; Laboratory Practice.	
English, 1 or 2	6
Rhetoric.	
French, German or Spanish	6
Mathematics, 9 or 12	6
Trigonometry; Analytic Geometry.	
Mechanical Drawing 1	4
Mechanical Drawing.	

SOPHOMORE YEAR

Chemistry, 3, 20	10
Chemical Laboratory; Qualitative Anaylsis.	
Geology, 1	4
Mineralogy.	
Mathematics, 20 or 21	6
Calculus.	
Mechanical Engineering, 1	8
Mechanism.	
Physics, 1 and 2	10
General Physics, Laboratory Physics.	

JUNIOR YEAR

Applied Mathematics, 20, 22	8
Mechanics; Mechanics of Materials.	
Chemistry, 6, 21, 23	14
Metallurgy; Quantitative Analysis; Organic Chemistry.	
Commerce, 33	4
Commercial Law.	
Electrical Engineering, 1	4
Elementary Mathematical Theory of Electricity.	
Mechanical Engineering, 20	6
Thermodynamics, Steam Boilers and Power Plant Accessories.	

SENIOR YEAR

Chemistry, 24, 25, 26, 29	22
Organic Chemistry; Organic Laboratory; Physical Chemistry; Industrial Chemistry.	
Mechanical Engineering, 9, 10	4
Mechanical Laboratory.	
Electives	6

CHEMICAL COURSE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN CHEMISTRY

FRESHMAN YEAR

	Semester-Hour Credits
Architecture, 2	4
Freehand Drawing.	
Chemistry, 1, 2	10
General Chemistry; Laboratory Practice.	
English, 1 or 2	6
Rhetoric.	
French, German or Spanish	6
Mathematics, 3 or 6	6
College Algebra; Solid Geometry; Elementary Trigonometry.	
Mechanical Drawing, 4	2
Mechanical Drawing.	

SOPHOMORE YEAR

Chemistry, 3, 20	10
Chemical Laboratory; Qualitative Analysis.	
French, German or Spanish	6
Mathematics, 9 or 12	6
Trigonometry; Analytic Geometry.	
Physics, 3, 4	10
General Physics; Physics Laboratory.	
Electives	4

JUNIOR YEAR

Chemistry, 21 (4), 23	12
Quantitative Anaylsis; Organic Chemistry.	
Commerce, 33	4
Commercial Law.	
French, German or Spanish	6
Geology, 1	4
Mineralogy.	
Mathematics, 20 or 21	6
Calculus.	
Electives	4

SENIOR YEAR

Chemistry, 6, 24, 25, 26, 27	22
Metallurgy; Organic Chemistry; Organic Laboratory; Physical Chemistry; Stereo-Chemistry.	
Geology, 2	4
General Geology.	
Electives	8

COURSE IN ARCHITECTURE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE OF ARCHITECTURE

FRESHMAN YEAR

Semester-Hour Credits

Architecture, 2, 3, 4 14
Free-hand Drawing; Architectural Drawing and Elementary Design; Projections, Shades, Shadows and Perspective.

English, 1 or 2 6
Rhetoric.

French 6

Mathematics, 9 or 12 6
Trigonometry; Analytic Geometry.

SOPHOMORE YEAR

Architecture, 5, 6, 8 18
Architectural Design; Free-hand Drawing; History of Architecture.

English, 5 or 6 6
English Literature.

French 6

Geology, 2 4

JUNIOR YEAR

Architecture, 20, 21, 22, 24, 25, 33, 41 30
History of Architecture; Building Construction; Sanitation; Pen and Ink Rendering; Design; Water Color, Heating and Ventilating.

Physics, 1 or 3 3
General Physics.

SENIOR YEAR

Architecture, 27 or 37, 28, 39, 40, 43, 44 30
Design; History of Painting and Sculpture; Building Construction; Water Color; Office Practice; Advance Construction.

Commerce, 33 4
Commercial Law.

Electrical Engineering, 29 2
Electric Illumination.

Electives 2

SPECIAL STUDENTS

All the courses of instruction are open to students of suitable age and attainments who wish, without reference to any degree, to pursue special studies. Candidates must show that they are familiar with the subjects preliminary to the studies which they wish to pursue.

FEES

The annual tuition fee for a student taking courses aggregating fifteen or more hours a week throughout the year is one hundred and eighty dollars. Part time students pay in accordance with the amount of work taken, the fee being six dollars for each semester-hour credit. For courses in the laboratories there are additional laboratory fees. Full statements in regard to the fees are given on page 36.

TEACHERS COLLEGE

The purpose of Teachers College is to provide (*a*) collegiate training for teachers, (*b*) instruction in education as a department of science.

The aims of the Teachers College may be summarized as follows:

a. To promote the knowledge of educational science.

b. To fit students for the higher positions in the public school service.

c. To secure to teaching the rights and prerogatives of a profession.

d. To aid in raising the standards of educational practice, and so to increase the efficiency of public education.

ORGANIZATION

Teachers College provides a four years' college course, the first two years of which are devoted to a foundation of general culture courses, and the last two to professional courses and to specialization in the subjects which the student expects to teach. The schedule of courses is arranged so as to meet the convenience of both full time and part time students. By attending afternoon and Saturday classes, teachers in the schools of Washington and vicinity may complete all the requirements for a degree without giving up their positions.

ADMISSION

Candidates for admission to the Freshman Class in Teachers College must meet the general admission requirements (p. 23) of fifteen units. *Three of these must be in English, two and one-half in Mathematics, and two in one of the following languages; Latin, Greek, French, German, or Spanish.* The remainder of the required fifteen units may be satisfied by any accredited secondary subjects.

Persons desirous of taking work without becoming candidates for a degree, may be admitted as *special students* on the presentation of satisfactory evidence that they are qualified to pursue the work to advantage.

ADVANCED STANDING

Students transferring from normal schools, colleges, and other schools of similar rank will be admitted to such advanced standing as the courses they have pursued warrant. Graduates of normal schools with two-year courses resting upon graduation from an approved four-year high school are granted forty-eight semester-hours of advanced standing.

For further information concerning admission as special student or to advanced standing, see p. 30.

GRADUATION

On the completion of courses of study aggregating a minimum of one hundred and twenty-four semester-hours, the University confers the degree of Bachelor of Arts and a Bachelor's Diploma in Education. These courses are partly prescribed and partly elective, and the degree is conferred when the necessary work has been completed, no time limit being set.

The prescriptions are as follows:

a. In general culture subjects:

	Semester Hours
Biology*	6
English	6
Foreign Language*	12
History*	12
Psychology and Logic	6
Philosophy	6

For the subjects marked with an asterisk (*) electives may be substituted to the extent that approved secondary school work has been done in them. The foreign language requirement must fall in one language, while in history it is required that a survey of the world's history be obtained.

b. In professional subjects the following twenty semester-hours are prescribed, although teachers of experience may receive credit for Observation and Practice Teaching.

	Semester Hours
History of Education	4
Principles of Education	2
Principles of Teaching	2
School Hygiene	2
Observation and Practice Teaching	4
Electives in Education	6

Graduates of approved normal schools may satisfy the requirement in the professional subjects by the completion of twelve semester-hours exclusive of the credits for Observation and Practice Teaching. These hours are elective with the advice and consent of the Dean.

c. All regular students must complete before graduation at least eighteen semester-hours in a major, and at least ten semester-hours in a minor subject, in addition to the first required course, if any, in the same subject.

THE TEACHER'S DIPLOMA

The Bachelor's Diploma in Education is granted in connection with the Bachelor of Arts degree (or, to students without experience in teaching, in connection with higher degrees) upon the fulfillment of the following conditions: (1) The student must have satisfactorily completed the courses of study defined above. (2) He must, in the judgment of his instructors, also possess other qualifications essential to success in teaching.

A diploma corresponding to the degree is given also in connection with higher degrees, provided a graduate student has taken a major or minor in education, has satisfied the requirements *a*, *b* and *c* above, and has had at least two years of successful experience in teaching.

A student holding a degree from an approved college or university may, by satisfying requirements *a*, *b* and *c* above, earn a diploma without registering for a degree.

OBSERVATION AND PRACTICE TEACHING

Through the courtesy of the officials of the public schools, opportunities for observation and teaching are given in the high and elementary schools of Washington.

EXPERIMENTAL WORK

Teachers College maintains a psychological laboratory for introductory experimental work. The equipment is specially adapted to the investigation of problems of interest to students of education.

The school system of a large city, moreover, offers abundant opportunity for observation and for the study of methods and other practical educational problems.

TEACHERS APPOINTMENT BUREAU

Teachers College maintains a Teachers Appointment Bureau for the purpose of aiding students who are studying, or have studied, in the University, to secure positions as teachers. This service is performed gratuitously, in the interest both of students and of superintendents of schools and boards of education wishing to employ teachers.

SCHEDULE OF CLASSES
IN
COLUMBIAN COLLEGE AND TEACHERS COLLEGE

Monday, Wednesday, Friday

	Course		*Instructor*
9.15	Education 20	Principles of Teaching	Ruediger
	English 24	Drama	Bolwell
	French 1	First year French	Protzman
	Mathematics 3A	Alg., Geom., Trig	Erwin
	Spanish 1A	First Year Spanish	Patison
10.15	English 22	Shakespeare's Comedies	Wilbur
	French 3A	Second Year French	Henning
	German 20	Literature	Schoenfeld
	Mathematics 9	Trig., Analytic Geom	Erwin
	Philosophy 1, 3	Psychology; Logic	Ruediger
	Pol. Science 1, 3	U. S. Govt., State Govts	Hill
	Spanish 3	Second Year Spanish	Patison
11.15	Economics 1	General Economics	Kern
	German 3	Second Year German	Schoenfeld
	Greek 2	Xenophon, etc	Smith
	Physics 1	General Physics	Brown
	Pol. Sci. 21, 22	European Governments	Hill
1.45	English 36	The Novel	Bolwell
	German 7	Third Year German	Schoenfeld
	Latin 1	Livy, etc	Smith
	Philosophy 23	Laboratory Psychology	Metcalf
	Physics 3	Introductory Physics	Brown
	Spanish 1B	First Year Spanish	Protzman
2.45	Greek 1	Herodotus, etc	Smith
	History 1, 2	Medieval History	Swisher
4.00	English 30	Types of Literature	Croissant
	French 5	19th-17th Century	Henning
	History 3, 4	European History	Swisher
	Latin 2	Cicero, etc	Smith
	Spanish 22	Literature	Doyle
5.10	Commerce 40, 42	Ind.Hist.of U.S.; World Pol	Kochenderfer
	English 2	Rhetoric	Wilbur
	English 31	Journalism	Chace
	English 56	English Comedy	Croissant
	French 2A	First Year French	Protzman
	French 7	Conversational	Teillard
	French 28	Literature from 1850	Henning
	French 50	Old French	Doyle
	German 21	Literature	Schoenfeld
	History 25	English History	Churchill
	Mathematics 4	Algebra; trig	Hodgkins, H. G.
	Mathematics 12	Trig.; Anal. Geom	Erwin
	Philosophy 2, 4	Psychology; Logic	Ruediger
	Physics 1	General Physics	Brown
	Pol. Sci. 29, 30	International Law; Diplom	Hill
	Portuguese 4	Second Year Course	Coutinho
	Spanish 2A	First Year Spanish	Patison
	Zoology 1	Invertebrates	Bartsch

	Course		*Instructor*
6.00	Commerce 36	Commercial Geography	Kochenderfer
	Economics 2	General Economics	Kern
	English 25	Drama	Croissant
	English 52	Shakespeare	Wilbur.
	French 2B	First Year French	Protzman
	German 4	Second Year German	Schmidt
	History 30	Amer. Constitutional Hist.	McArthur
	Mathematics 6	Alg., Geom., Trig	Hodgkins, H. G.
	Mathematics 12B	Trig., Analytic Geometry	Erwin
	Physics 3	Introductory Physics	Cheney
	Portuguese 1	First Year Course	Coutinho
	Spanish 2B	First Year Spanish	Patison
	Spanish 4A	Second Year Spanish	Doyle
	Spanish 7	Spanish Conversation	Saldaña
	Zoology 2	Vertebrates	Bartsch

Tuesday, Thursday, Saturday

9.15	English 5	English Literature	Bolwell
	French 1	First Year French	Protzman
	French 3B	Second Year French	Doyle
	History 21	Ancient History	Kayser
	Mathematics 3B	Alg., Geom., Trig	Erwin
	Mathematics 21	Calculus	Hodgkins, H. L.
10.15	English 1	Rhetoric	Wilbur
	English 26	Poetry	Croissant
	Mathematics 24, 25	Theory of Equations, etc	Erwin
	Philosophy 20, 21	Hist. of Phil., Ethics	Richardson
11.15	English 29	American Literature	Croissant
	German 1	First Year German	Schoenfeld
	History 20	American History	Alden
	Latin B	Cicero and Vergil	Smith
12.00	Chemistry 1	General Chemistry	McNeil
5.10	Architecture 28	Painting and Sculpture	Bibb
	Chemistry 1	General Chemistry	McNeil
	Commerce 20, 47	Princ. of Business; Transp.	Kochenderfer
	English 6	English Literature	Bolwell
	Ethnology 50	General Introduction	Michelson
	French 2C	First Year French	Protzman
	French 2D	First Year French	Kramer
	French 4A	Second Year French	Henning
	German 2	First Year German	Schmidt
	German 8	Third Year German	Schoenfeld
	History 35	General History	Swisher
	Mathematics 20	Calculus	Hodgkins, H. L.
	Mathematics 54, 55	Functions	Erwin
	Philosophy 6, 8	Psychology; Logic	Metcalf
	Physics 23	Electricity	Brown
	Pol. Sci. 27, 28	International Relations	Hill
	Spanish 2C	First Year Spanish	Patison
	Spanish 4B	Second Year Spanish	Doyle
6.00	Architecture 20	History of Architecture	Bibb
	French 2E	First Year French	Cullom
	French 4B	Second Year French	Kramer
	French 6	Literature	Henning
	German 6	Second Year German	Schmidt

	Course		*Instructor*
6.00	History 31, 32	Modern European History	Swisher
	Mathematics 12C	Trig., Analytic Geometry	Erwin
	Pol. Science 2, 4	U. S. Govt. State Govts	Hill
	Spanish 2D	First Year Spanish	Patison
	Spanish 6	Third Year Spanish	Doyle

Tuesday and Thursday

10.15	Greek B	Homer	Smith
	Philosophy 29, 21	Problems; Ethics	Richardson
	Latin 20	Tacitus, etc	Smith
	Physics 2,4	Laboratory Physics	Brown
11.15	Astronomy 1	Popular Astronomy	Erwin
	Physics 9	Electricity	Brown
1.15 to 4.15	Chemistry 2	Laboratory Practice	Swett
	Chemistry 3	Organic Chemistry	Swett
	Chemistry 7	Qualitative Analysis	Swett
1.45	Greek 21	Demosthenes, etc	Smith
2.45	Physics 2, 4	Laboratory Physics	Brown
4.00	Architecture 8	History of Architecture	Bibb
	Classical Literature	Latin Literature	Smith
	Education 21	Principles of Education	Ruediger
	English 39	Composition	Bolwell
5.10	Economics 22, 23	Sociology	Kern
	Education 30	Story Telling	Albion
	Education 50	Seminar	Ruediger
	Philosophy 24	History of Philosophy	Richardson
6.00	Commerce 33	Commercial Law	Alden
	Economics 27, 26	Banking; Finance	Kern
	Philosophy 50	Seminar in Psychology	Metcalf
7.00 to 10.00	Chemistry 2	Laboratory Practice	Swett
	Chemistry 3	Organic Chemistry	Swett
	Chemistry 7	Qualitative Analysis	Swett
7.30 to 9.30	Physics 2	Laboratory Physics	Brown

Thursday and Saturday

5.10	Portuguese 2	Literature	Coutinho
6.10	Chemistry 24	Organic Chemistry	Swett

Monday and Wednesday

5.10	Ethnology 51	North America	Michelson
6.00	Philosophy 30, 32	Problems; Ethics	Richardson
6.10	Chemistry 26	Physical Chemistry	McNeil
7.00	Chemistry 8	Organic Chemistry	McNeil

Monday and Friday

9.15	Economics 43, 44	Trusts; Labor Problems	Kern
11.15	Mathematics 50	Differential Equations	Hodgkins
4.00	Geology 21	Engineering Geology	Resser
5.10	Geology 1	Mineralogy	Bassler
	Geology 20	Economic Geology	Bassler
6.00	Geology 2	Geology	Bassler
7.30 to 9.30	Physics 4	Laboratory Physics	Cheney

Wednesday and Friday

	Course		*Instructor*
4.00	Archaeology 20	History of Art	Carroll
4.50	Chemistry 23	Organic Chemistry	Swett

Monday

5.10	Education 24	School Sanitation	Small

Tuesday

5.10	Pol. Sci. 26	Brazil	Coutinho
6.10	Chemistry 6	Metallurgy	McNeil

Wednesday

5.10	Education 27	School Administration	Small
	Geology 3	Geography	Resser
	Philosophy 27	Recent Phi. Movements	Richardson
6.00	Geology 4	Physiographic Geography	Resser

Thursday

2.45	Latin 22	Latin Composition	Smith

Saturday

9.15 to 11.15	Education 22	History of Education	Ruediger
	Philosophy 25	Laboratory Psychology	Metcalf
11.15	History 33	Current History	Swisher

COURSES OF INSTRUCTION PROVIDED BY THE DEPARTMENT OF ARTS AND SCIENCES

Courses of instruction are divided into three sections.

First-section courses may be taken by third or fourth year students only by permission of the Dean and the professor in charge of the subject. They may sometimes be recommended to graduate students, but are not counted toward the higher degrees. The courses in the second section are in general for advanced students, candidates for the bachelor's degree; they serve, however, with additional work, as minors for the higher degrees, provided they have not already counted toward a degree. They may be taken by students in the second year of their course only by special permission of the professor in charge. The courses in the third section are in general for graduate students only, candidates for one or other of the higher degrees. They are open to undergarduates only on the recommendation of the instructors, and no undergraduate student shall take in one year more than one course in the third section. When an announced course has not been applied for by at least three students, candidates for a degree, the instructor may withdraw the course. First-section courses are numbered 1 to 19, inclusive; second-section courses 20 to 49, inclusive; third-section courses, 50 and upwards. The number of hours, unless otherwise specified, indicate hours per week throughout the year. The unit of credit is one hour of recitation or lecture work per week for one semester; laboratory hours in chemistry and drawing count one-third unit each, in other subjects one-half unit each. Laboratories and drawing rooms will be open from 9.15 a. m. till 10 p. m., with competent assistants in charge to direct students. No student is admitted to a course unless he fulfills all the preliminary requirements for the course, or otherwise satisfies the instructor that he is prepared to pursue it. Every student must make his election of courses so as to avoid conflict between the hours appointed for recitations.

Under each course is stated the number of credits for which the course is counted toward satisfying the requirements for the undergraduate degrees of Bachelor of Arts and Bachelor of Science, or for the graduate degrees of Master of Arts and Master of Science, or for the graduate degrees in engineering.

APPLIED MATHEMATICS

Second Section. For Undergraduates and Graduates.

20. *Analytical and Applied Mechanics.* (1) Statics: including composition, resolution and equilibrium of forces; center of gravity; moment of inertia. (2) Kinematics and Kinetics: including rectilinear, curvilinear and rotary motion; dynamics of machinery; work and energy; friction; impact. Four hours, first half-year. Four semester-hour credits.

21. *Hydraulics.*— The theoretical principles of hydraulics: including hydrostatics, flow through orifices, over weirs, through pipes and in open channels, and the dynamic pressure of water. Two hours. Four semester-hour credits. Professor Lapham.

22. *Mechanics of Materials and Theory of Elasticity.*—Including elastic and ultimate strength and deformation: simple cantilever and continuous beams, columns, torsion; combined stresses; compound columns and beams, including reinforced concrete; resilience; work; fatigue; mathematical theory of elasticity. Four hours, second-half year. Four semester-hour credits.

ARCHAEOLOGY AND HISTORY OF ART

Second Section. For Graduates and Undergraduates.

20. *History of Art.*—An introductory course in the history of architecture, sculpture and painting, illustrated by photographs, lantern slides and casts. 1919–20, Prehistoric, Classical and Medieval Art; 1920–21, Renaissance and Modern Art. *Wed., Fri.*, at 4. Four semester-hour credits. Professor Carroll.

Third Section. Primarily for Graduates

50. *Pro-Seminary of Art and Archaeology.* (a) Prehistoric Art and Archaeology. Six semester-hour credits. Professor Carroll. (b) History and Appreciation of Painting. Illustrated lectures on the schools of painting from the Renaissance down to the American school. Supplemented by courses of reading and visits to galleries in Washington and neighboring cities. Six semester-hour credits. Dr. Brigham.

51. *American Archaeology.*—In conjunction with the School of American Archaeology in Santa Fé. Six semester-hour credits. Professor Carroll and Dr. Hewett.

Use is made of the illustrative material in the National Museum, the Library of Congress and the Corcoran Gallery of Art. Students are invited to the open meetings of the Art and Archaeology League, and the Washington Society of the Archaeological Institute of America.

ARCHITECTURE

2. *Freehand Drawing.*—This course consists of drawing in charcoal from casts of simple form. Two periods. Four semester-hour credits. Professor Bibb.

Credit for this course may also be obtained by taking work at the Corcoran Gallery of Art.

3. *Architectural Drawing and Elementary Design.*—This course includes the study of the elements of Architecture including the Five Orders, the use of india ink and water color rendering. At least nine hours per week are to be spent by the student in the drafting room. Six semester-hour credits.

Criticisms by Professor Harris on Tuesday and Thursday, 1.45 to 4.45 and by Assistant Professor Brown on Tuesday, Wednesday and Friday evenings.

4. *Projections, Shades, Shadows and Perspective.*—A course in orthographic projections, shades and shadows, followed by a short course in the elements of perspective. Two periods. Four semester-hour credits.

Criticisms by Professor Harris on Tuesday 1.45 to 4.45 and by Assistant Professor Brown on Wednesday evenings.

5. *Design.*—Problems of an elementary character are given to prepare the student for work in the Class B order of the Society of Beaux-Arts Architects; the rendering of these problems of this Society. At least twelve hours per week are to be spent by the student in the drafting room. Criticisms by Assistant Professor BROWN on Tuesday, Thursday and Friday evenings. Eight semester-hour credits.

6. *Free hand Drawing.*—An advanced course in drawing from cast and life. Two periods. Four semester-hour credits. Professor BIBB.

Credit for this course may also be obtained by taking work at the Corcoran Gallery of Art.

8. *History of Architecture.*—The course is designed to trace the development of the art in Ancient Egypt, in Greece, and in Rome, and through the Byzantine, and Mediaeval periods. *Tu., Th.*, at 4.00. Four semester-hour credits. Professor BIBB.

Second Section. For Undergraduates and Graduates.

20. *History of Architecture.*—A study of the Architecture of the Renaissance in its relation to Ancient and to Modern Architecture. *Tu., Th., Sat.*, at 6.00. Six semester-hour credits. Professor BIBB.

21. *Building Construction.*—Frame buildings, details of construction, interior finish, three-fourths scale and full-size details. *Wed., Fri.*, at 6.00 and two periods in drawing room; first half-year. Four semester-hour credits. Professor HARRIS.

22. *Sanitation.*—History of sanitation; pollution of water sources; modern plumbing practice; methods of sewage disposal, septic tank, sewage disposal fields, etc. *Wed., Fri.*, at 5.10; first half-year. Two semester-hour credits. Professor HARRIS.

24. *Pen-and-Ink Rendering.*—A study of the renderings of the best pen-and-ink draftsmen, with practice in the use of the pen as a means of Architectural expression. One period. Two semester-hour credits.

Hours of criticism selected by conference with Assistant Professor BROWN.

25. *Design.*—Plan problems, sketch problems, and archaeology problems from the Class B plan programs of the Society of Beaux-Arts Architects. At least fifteen hours a week are to be spent by the student in the drafting room. Ten semester-hour credits. Criticism by Assistant Professor BROWN on Tuesday and Friday evenings.

27. *Advanced Design.*—Plan problems and sketch problems are given from the Class A programs of the Society of Beaux-Arts Architects. The latter part of the year is devoted to a thesis, the subject being selected by the student, subject to the approval of the Professor of Design. At least eighteen hours a week are to be spent by the student in the drafting room. Twelve semester-hour credits. Criticism by Assistant Professor BROWN on Tuesday and Friday evenings.

28. *History of Sculpture and Painting.*—An advanced course offering a comparative study of the development of art as the expression of civiliza-

tion; an outline of the lives of great artists and a critical analysis of their achievement. *Tu., Th., Sat.*, at 5.10. Six semester-hour credits. Professor Bibb.

33. *Water Color.*—A course of drawing in water color from still life and from buildings and gardens. Two periods. Four semester-hour credits. Professor Bibb.

39. *Building Construction.*—Masonry foundations, pile foundations stone work, brick work, fire-proofing, ornamental terra cotta, plastering, specifications. *Wed., Fri.*, at 6.00 and two periods in the drawing room; second half-year. Four semester-hour credits. Professor Harris.

40. *Water Color.*—An advanced course in water color drawing including studies from life. Two periods. Four semester-hour credits. Professor Bibb.

41. *Heating and Ventilating.*—Elementary principles of heating and ventilating; details of installation of hot air, hot water, and steam heating plants. *Wed., Fri.*, at 5.10; second half-year. Two semester-hour credits. Professor Harris.

43. *Office Practice.*—A course of lectures on office practice, business methods of an architect and special types of buildings by the teaching staff and practicing architects of the District of Columbia. Two semester-hour credits.

44. *Advanced Construction.*—A course arranged especially for architectural students, embracing problems in the determination of beam sizes, girder and column design, grillage beam footings and the design of the simpler forms of trusses. Four semester-hour credits. Professor Harris.

ASTRONOMY

First Section. Primarily for Undergraduates.

1. *Popular Astronomy.*—A course in elementary descriptive astronomy designed to give facts of general interest without the use of higher mathematics. Recitations, lectures and papers on special topics assigned to each student. *Tu., Th.*, at 11.15. Four semester-hour credits. Professor Erwin.

2. *A Course in Practical Astronomy for Civil Engineering Students.*—Special attention is given to the methods of determining latitude, longitude, azimuth and time with the engineer's transit. Two hours during one term. Two semester-hour credits. Professor Laphan.

Third Section. Primarily for Graduates.

58. *Celestial Mechanics.*—Theory of central forces; theory of parabolic and elliptic orbits. Lectures, with reading from the works of Gauss, Oppolzer, and Moulton. Six semester-hour credits. Professor Hall.

ASTRO-PHYSICS

Third Section. Primarily for Graduates.

54. A lecture course on the astro-physical instruments employed in modern research. Six semester-hour credits. Mr. Fowle.

55. Some applications of Astrophysics, Geophysics, Chemical Physics and Colloidal Physics to Meteorology. Six semester-hour credits. Mr. Fowle.

CHEMISTRY

First Section. Primarily for Undergraduates.

1. *General Chemistry.*—A series of illustrated lectures, accompanied by exercises and tests on theoretical, inorganic, organic and technical chemistry. Section A. *Tu., Th., Sat.*, at 12.00. Section B. *Tu., Th., Sat.*, at 5.00. Six semester-hour credits. Professor McNeil.

2. *Laboratory Practice.*—A laboratory course for the study of the principles of chemistry and the method of conducting chemical experiment. Two three-hour periods. *Tu., Th.*, at 1.15 or at 7. Four semester-hour credits. Professor McNeil and Professor Swett.

3. *Preparation and Study of the Properties of Chemical Substances.*—A laboratory course. Two three-hour periods. *Tu., Th.*, at 1.15 or at 7. Four semester-hour credits. Professor McNeil, Professor Swett, Mr. Valaer.

4. *Assaying and Metallurgy of the Precious Metals.*—Carried on by the method used by the Government Assayers, the Laboratory being fitted up on the plan of that of the United States Mint. Twelve hours for three months. Professor McNeil, Professor Swett.

5. *Principles of Analysis.*—Lecture. One hour. Two semester-hour credits. Professor McNeil.

6. *Metallurgy of Iron and Steel.*—A course of lectures and readings. *Tu.*, at 6.10. Two semester-hour credits. Professor McNeil.

7. *Qualitative Analysis.*—A brief course intended primarily for students in engineering. Two three-hour periods. *Tu., Th.*, at 1.15 or at 7. Four semester-hour credits. Professor McNeil, Professor Swett, Mr. Valaer.

8. *Elementary Organic Chemistry.*—A lecture and laboratory course including both the aliphatic and aromatic series of compounds. Two lectures and three hours laboratory work per week. *Mon., Wed.*, at 7. Six semester-hour credits. Professor McNeil.

Second Section. For Undergraduates and Graduates.

20. *Qualitative Analysis.*—A laboratory course in the study of properties and reactions of chemical substances, and of the means employed for their detection and identification. Three three-hour periods. Six Semester-hour credits. Professor McNeil, Professor Swett, Mr. Valaer.

21. *Quantitative Analysis.*—A laboratory course in the quantitative estimation of the constituents of a specially selected and typical set of chemical substances, which are particularly adapted for teaching the student the aims and methods of quantitative chemical analysis and for imparting facility in manipulation. Four three-hour periods. Eight semester-hour credits. Professor McNeil, Professor Swett, Mr. Phillips.

23. *Organic Chemistry.*—Advanced course. *Wed., Fri.*, at 4.50. Four semester-hour credits. Professor Swett.

24. *Organic Chemistry.*—Advanced course. A continuation of Course 23. *Th., Sat.*, at 6.10. Four semester-hour credits. Professor SWETT.

25. *Chemistry of the Carbon Compounds.*—A laboratory course in the preparation and study of the properties of a characteristic series of organic compounds. Four three-hour periods. Eight semester-hour credits. Professor McNEIL, Professor SWETT, Mr. LEPPER.

26. *Physical Chemistry.*—A lecture course designed to be an introduction to physical chemistry, and to treat of the modern theories of chemistry from the physical standpoint. Special attention is given to the ionic theory, electro-chemistry, colloids, the law of mass action, and the phase rule. *Mon.*, and *Wed.*, at 6.10. Four semester-hour credits. Professor McNEIL.

27. *Stereo-Chemistry.*—This course deals with the arrangement of atoms in space from a theoretical standpoint, while the student is taught how to form models by which to illustrate their arrangements. Two hours. Four semester-hour credits. Assistant Professor HILL.

28. *Biochemistry.*—A laboratory course in the chemical examination of some of the chief foodstuffs, the tissues and fluids of the body, and the products of certain organisms; also the isolation of the digestive enzymes and a study of their action *in vitro*. Three three-hour periods. Six semester-hour credits. Assistant Professor LEFFLER.

29. *Industrial Chemistry.* This course deals with the manufacture of substances styled "chemicals" and with the application of chemistry to the arts and industries. Six semester-hour credits. Not given in 1920-21.

30. *Physical Chemistry.*—A laboratory course, designed to illustrate and supplement Chemistry 26; and especially adapted to the needs of those students who have taken, or are taking that course. Two three-hour periods. Four semester-hour credits. Assistant Professor HILL.

Third Section. Primarily for Graduates.

50. *Explosive Substances.*—Ten semester-hour credits. Professor CUSHMAN.

51. *Analytical Methods.*—Six semester-hour credits. Additional credits may be earned by special arrangement. Professor McNEIL.

53. *Development of the Theory of the Constitution of the Natural Silicates.*—Six semester-hour credits. Professor CLARKE.

55. *Special Researches in Electro-Chemistry.*—Six semester-hour credits. Assistant Professor Hopkins.

57. *Research in Physical Chemistry.*—Six semester-hour credits. Additional credits may be earned by special arrangement. Professor McNEIL.

Students in Chemistry are invited to attend the meetings of the Chemical Society of Washington which are held on the second and fourth Thursdays of each month, from October to May, in the Assembly Hall of the Cosmos Club, at 8 p. m., and also the meetings of the Chemical Society of the George Washington University which is a most active and efficient student organization.

CIVIL ENGINEERING

First Section. Primarily for Undergraduates.

1. *Surveying and Mapping.*—This course includes recitations, field and drawing room work. The recitations will cover the theory, adjustment and use of instruments; land, topographic, hydrographic and geodetic surveying; latitude, longitude, time and azimuth. The field work includes the adjustment of and the use of the level, and transit. The computations cover the closing of traverses, computation of areas, contour problems and the reduction and plotting of field notes. Two recitations a week; field and drawing room work equivalent to one three-hour period a week throughout the year. Six semester-hour credits. Professor Lapham and Mr. Marsh.

2. *Railroad Engineering.*—This course includes recitations, field and drawing-room work. The recitations cover railroad curves and earth-work, methods of location and construction of railway lines. The field work consists of a preliminary and location survey; the laying out of circular and transition curves, etc. The computations and mapping consist of making an estimate of quantities and cost of a piece of line, making maps, profiles and a mass diagram. Two lecture-recitations and one three-hour field or drawing period a week throughout the year. Six semester-hour credits. Professor Lapham.

3. *Highways and Pavements.*—This course comprises the study of highway economics, location, construction and maintenance; the various methods of surfacing; the materials used and the standard tests of these materials. A study is also made of the methods of street paving, street grades, etc. Two hours a week. Four semester-hour credits. Mr. Marsh.

4. *Materials of Construction.*—A course in the study of the chemical and physical properties of: stone, brick, line, wood, iron, steel and a few of the minor alloys. Stress is laid on the manufacture and the properties of the materials that affect their use in engineering construction. The class-room work is supplemented by laboratory tests and by inspection trips to testing laboratories and manufacturing plants. Two hours a week. Four semester-hour credits. Professor Lapham.

5. *Surveying Instruments.*—A two-month's course for mechanical and Electrical Engineering students, covering the use of the compass, transit, and level. Lectures and field exercises, two hours. One semester-hour credit. Professor Lapham.

6. *Foundations.*—A two-month's course for Mechanical and Electrical Engineering students, covering the general principles of foundation construction and the materials used. Two hours. One semester-hour credit. Professor Lapham.

Second Section. For Undergraduates and Graduates.

21. *Hydraulic Engineering.*—The design and construction of water-power plants and irrigation works. Flow of rivers; rainfall and runoff; methods of development; hydraulic motors; power transmission. Irrigation plans;

distributing system; water rights and irrigation law. Two lectures and one design period. Six semester-hour credits. Professor LAPHAM.

22. *Structures.*—A course covering the determination of stresses in framed structures and their deflection by graphical and by analytical methods. The first term is devoted to beams and roof trusses; the second to bridge trusses under uniform and wheel loads. Three lectures and two design periods. Ten semester-hour credits. Mechanical engineering students take only the first term. Five semester-hour credits.

23. *Structures.*—The design of structures in timber, steel and masonry; timber trestles, roof trusses and slow-burning construction; steel mill and office buildings; girder, riveted and pin-connected bridges; bridge piers, abutments and similar structures; theory of foundation pile and pile driving, caissons and cofferdams. Three lectures and two design periods. Ten semester-hour credits.

24. *Sanitary Engineering.*—Water supply; the collection, storage and distribution of water; the design and construction of dams, reservoirs and storage tanks; construction and maintenance of water distributing systems; pumping machinery; quality of water; interpretation of water analyses; sedimentation and aeration of water; sand filtration; mechanical filtration; chemical treatment of water; the relation of water supply to infectious diseases.

Sewerage; sewerage and drainage systems; methods of disposal of sewage and trade wastes; treatment of sewage; garbage and refuse disposal. Three lectures and one design period. Eight semester-hour credits. Professor LAPHAM.

27. *Reinforced Concrete Construction.*—The theory and design of reinforced concrete slabs, beams, columns, foundations and walls; estimating reinforced concrete work. Two recitations and one design period. Six semester-hour credits. Professor LAPHAM.

Third Section. Primarily for Graduates.

50. *Reinforced Concrete Structures.*—Theory and design; buildings, bridges, retaining walls, dams, tanks, etc. One lecture and two design periods. Six semester-hour credits.

51. *Advanced Steel Structures.*—Theory and design of suspension, cantilever, moveable and arch bridges. One lecture and two design periods. Six semester-hour credits.

53. *Railroad Engineering.*—An advanced course in railroad location construction and maintenance of way. It must be preceded by Civil Engineering course 2. Six semester-hour credits.

54. *Water and Sewage Purifications.*—An advanced course dealing with the practical application of the principles and methods involved in the purification of water supplies and in the disposal and treatment of sewage. One lecture and two design periods. Six semester-hour credits.

CLASSICAL LANGUAGES AND LITERATURES

Greek

First Section. Primarily for Undergraduates.

A. *Elementary Course.*—For students who have not taken Greek before matriculating. It aims to cover as much as possible of the entrance requirement in Greek, with the exception of Homer. *Mon., Wed., Fri.*, at 10.15. Six semester-hour credits. Not given in 1920-21.

B. *Homer: Iliad I-IV.*—For students who have taken course A and desire to prepare themselves to enter Course 1. *Tu., Th.*, at 9.15. Four semester-hour credits. Professor Smith.

1. Herodotus (selections); Lysias (selected orations); Euripides (Alcestis); Greek prose composition. *Mon., Wed., Fri.*, at 2.45. Six semester-hour credits. Professor Smith.

2. Xenophon (Memorabilia); Thucydides (Book VII); Sophocles (Antigone). *Mon., Wed., Fri.*, at 11.15. Six semester-hour credits. Professor Smith.

Second Section. For Undergraduates and Graduates

20. Plato (selections, including the Apology and Crito); Aristophanes (Clouds or Frogs). *Tu., Th.*, at 1.45. Four semester-hour credits. Not given in 1920-21.

21. Demosthenes (selected orations); Lucian (selected dialogues); Homer (selections). *Tu., Th.*, at 1.45. Four semester-hour credits. Professor Smith.

Latin

First Section. Primarily for Undergraduates.

B. *Cicero's Orations and Vergil's Aeneid.*—For students who have satisfied the admission requirements in elementary Latin but have not done the work specified under the advanced requirements. It will include a thorough study of several of the *Orations* and of three or four books of the *Aeneid*, supplemented by private reading, and some practice in the writing of Latin. *Tu., Th., Sat.*, at 11.15. Six semester-hour credits. Professor Smith.

1. Livy (Book I or XXI); Cicero (De Senectute); Horace (Odes and Epodes); Latin prose composition. Open to students who have satisfied the admission requirements in elementary and advanced Latin, or have satisfactorily completed course B. *Mon., Wed., Fri.*, at 1.45. Six semester-hour credits. Professor Smith.

2. Cicero and Pliny (selected Letters); Horace (Satires and Epistles); Martial (selections). *Mon., Wed., Fri.*, at 3.45. Six semester-hour credits. Professor Smith.

Second Section. For Undergraduates and Graduates.

20. Tacitus (selections); Terence (Phormio); Plautus (Captivi). *Tu., Th.*, at 10.15. Four semester-hour credits. Professor Smith.

21. Quintilian, Book X, and Horace, Ars Poetica; Catullus, Tibullus and Propertius. *Tu., Th.*, at 10.15. Four semester-hour credits. Not given in 1920-21.

22. *Advanced Latin Composition and Reading at Sight.*—Practice in Latin expression and style. *Th.*, at 2.45. Two semester-hour credits. Professor SMITH.

Third Section. Primarily for Graduates.

The work in this section is designed to afford discipline in the methods of philological criticism, with special reference to the interpretation of classical authors, and will include opportunities for original research on the part of competent students. In order to make the work as helpful as possible for those who expect to become teachers, the center of study each year will be one of the authors usually taught in the secondary schools. With the approval of the instructor, properly qualified Seniors may be admitted to these courses. The authors selected are as follows:

50. *Vergil, and Roman Epic Poetry.*—Two hours. Six semester-hour credits. Not given in 1920-21.

51. *Caesar, and the Roman Historians.*—Two hours. Six semester-hour credits. Professor SMITH.

52. *Cicero, and Roman Oratory.*—Two hours. Six semester-hour credits. Not given in 1919-20.

Classical Literature

First Section. Primarily for Undergraduates.

1. *General Survey of Classical Greek Literature (in English).*—This course is designed to give an outline of the development of the different departments of literature in ancient Greece and will include selected readings, in translation, from the most important authors. Being primarily intended for students who are not taking Greek or Latin, it does not require a knowledge of those languages, and is open to all undergraduates as an elective. *Tu.*, *Th.*, at 4. Four semester-hour credits. Professor SMITH.

2. *General Survey of Latin Literature (in English).*—This course is similar in purpose and method to Course 1, and will alternate with it. The subject of study will be the work of the most important ancient Roman authors. *Tu.*, *Th.*, at 4. Four semester-hour credits. Not given in 1920-21.

COMMERCE

Second Section. For Undergraduates and Graduates.

20. *Principles of Business.*—An introductory course in Business Economics and preparatory to the courses in Corporation, Finance, Transportation, Business Administration, etc. The following topics indicate the scope of the course, viz: Financing and management of business enterprises; purchasing; advertising; selling; ocean traffic and freight trade; credit; forecasting business conditions; banking; exchange; financial statements. *Tu.*, *Th.*, *Sat.*, at 5.10. First half-year. Three semester-hour credits. Assistant Professor KOCHENDERFER.

33. *Commercial and Maritime Law.*—A study of the principles of the law relating to commercial transactions, especially contracts, sales, bailments, agency, partnership, negotiable instruments, and common carriers, with

some study of Admiralty law. Section A, *Tu., Th.*, at 11.15; Section B, *Tu., Th.*, at 6.00. Four semester-hour credits. Assistant Professor ALDEN.

36. *Commercial and Industrial Geography.*—During the first term, a general survey is made of the products, industries, and commerce of the United States and of the principal foreign countries. This survey is supplemented during the second term by a detailed study of agriculture, mining, and manufactures throughout the world, but with special reference to the Unites States; separate treatment of each important crop and branch of manufactures, with inquiry into the causes of the localization of industry, *Mon., Wed., Fri.*, at 6.00. Six semester-hour credits. Assistant Professor KOCHENDERFER.

40. *Industrial and Commercial History of the United States.*—Business aspects of early American colonization; the westward movement and the public lands; the development of internal improvements and railways; tariff history and policy. Growth of industry, agriculture, commerce; labor and capital; industrial and commercial problems of today. *Mon., Wed., Fri.*, at 5.10. First half-year. Three semester-hour credits. Assistant Professor KOCHENDERFER.

42. *European Industrial Evolution and World Politics.*—A somewhat detailed study of the awakening of Japan, the problem of China, the interplay of rival imperial ambitions in the Far East, the causes of the World War, the Versailles Peace Conference and the international settlement made thereby. The introductory portion of the course will cover as intensively as time will permit agrarian problems, colonial expansion, and commercial policies, the development of industry, and transportation. *Mon., Wed., Fri.*, at 5.10. Second half-year. Three semester-hour credits. Assistant Professor KOCHENDERFER.

45. *History of Commerce.*—The rise and progress of commerce from antiquity to modern times, with particular emphasis on the effects of commerce on civilization and the relations between commercial and political development. Not given in 1920-21. Assistant Professor KOCHENDERFER.

47. *Transportation.*—Development and control of transportation in the United States and Europe. Railroad construction, competition, combination, regulation, rates discrimination. Government ownership. Ocean carriage; subsidies; combination; rebates; ports and terminals; marine insurance. The U. S. Shipping Board, Railroad Administration and Emergency Fleet Corporation activities. *Tu., Th., Sat.*, at 5.10. Second half year. Three semester-hour credits. Assistant Professor KOCHENDERFER.

48. *Relation of Government to Property and Industry.*—Incorporation and regulation of companies, common law and monopolies, the anti-trust acts and their results. Public Utilities commissions and boards; regulations of security issues, etc. National incorporation and other methods of proposed

regulation examined. Reconstruction problems. The tendency toward federal control of commerce and industry. Police power regulations, etc. Not given in 1920-21.

Third Section. Primarily for Graduates.

52. *Corporation Finance and International Trade Seminar.*—For qualified advanced students and graduates. Special opportunities will be offered students desiring to acquaint themselves with the best literatute and do intensive work in the preparation of theses. Hours to be arranged. Four semester-hour credits. Assistant Professor KOCHENDERFER.

Note.— Additional courses in commerce may be given in 1920-21, and there may be resulting changes in class hours. Announcements of the changes will be made in September.

ECONOMICS AND SOCIOLOGY

First Section. Primarily for Undergraduates.

1. *General Economics.*—An outline course in the principles of political economy devoted mainly to the study of production and exchange under present-day conditions, followed by a study of the problems of rent, interest, wages, and profits, and including an examination of competition, private property, and economic programs. *Mon., Wed., Fri.*, at 11.15. Six semester-hour credits. Professor KERN.

2. Parallel with Course 1. *Mon., Wed., Fri.*, at 6.00. Six semester-hour credits. Professor KERN.

Second Section. For Undergraduates and Graduates.

22. *General Sociology.*—An outline course in the principles of sociology devoted mainly to an examination of the organization of society and its ideals, with a study of the social systems, their functions, efficiencies and programs for their development. First half-year. *Tu., Th.*, at 5.10. Two semester-hour credits. Professor KERN.

23. *Modern Social Problems.*—A further analysis of modern social conditions with special studies of current questions in sociology. Prerequisite, the course in general sociology. Two hours, second half-year. *Tu., Th.*, at 5.10. Two semester-hour credits. Professor KERN.

24. *The History of Economic Thought.*—A review of the development of economics as a science from the earliest times to the present. Lectures and library readings. Two hours, first half-year. Given in alternate years. Not given in 1920-21. Professor KERN.

26. *Public Finance.*—A course in the development of budgetary and fiscal methods and principles. The history and tendencies of public expenditure under the Federal and State Governments. The theory of taxation; administration of public domains, and industries; public debts. Second half-year. *Tu., Th.*, at 6.00. Two semester-hour credits. Professor KERN.

27. *Money and Banking.*—The history and theory of money; the production of the precious metals; the theory of prices and measurement of price fluctuations; monetary systems; the relation of the Treasury system

to our money supply; the theory of credit and banking; the national bank system of the United States and the banking system of foreign nations. First half-year. *Tu., Th.*, at 6.00. Two semester-hour credits. Professor KERN.

28. *Economic Problems.*—An advanced course devoted to a more thorough study of the problems developed in the general course in economics. Research and preparation of papers to be presented to the class for discussion and criticism. Credit for course 1, General Economics, is requisite for admission to this course. Not given in 1920-21. Professor KERN.

43. *Combinations, Trusts.*—A discussion of the conditions which have favored the growth of large business combinations, the nature of their organization, their influence upon prices and productive efficiency, and the regulation and supervision of them. First half-year. *Mon., Fri.*, at 9.15. Two semester-hour credits. Professor KERN.

44. *Labor Problems.*—A brief sketch of the labor movement in the United States and of the aims and methods of trade unions, followed by a discussion of such problems as: child labor; dangerous occupations; workingmen's insurance against sickness, old age, accidents, and unemployment; strikes and industrial conflicts; conciliation and arbitration; collective bargaining. Second half-year. *Mon., Fri.*, at 9.15. Two semester-hour credits. Professor KERN.

49. *Statistics.*—The elements of statistical method, including gathering material, collecting data, defining the problem, tabulation, diagrams, graphs, frequency tables, types including mean, median, mode, measure of dispersion, use of quartiles, average deviation, standard deviation, coefficient of variability, skewness, coefficient of correlation, probable error, price indices, ratio of variation, moving averages, and general application of statistical methods to business, economics, education, administration, sociology, government and biology. Three hours a week. Six semester-hour credits. Dr. PHILLIPS.

Third Section. Primarily for Graduates.

51. *Seminar in Sociology.*—A research course for the detailed investigation of special sociological problems, suitable for those who are engaged in original investigation or in the preparation of a thesis. Hours to be arranged. Six semester-hour credits. Professor KERN.

Note.—Additional courses in Economics may be given in 1920-21, and there may be resulting changes in class hours. Announcements of the changes will be made in September.

EDUCATION

Second Section. For Undergraduates and Graduates.

20a. *Principles of Teaching.*—A comprehensive course in the principles underlying the teaching process in its intellectual, emotional and motor phases. Special attention is given to making teaching concrete and meaningful. First half-year. *Mon., Wed., Fri.*, at 9.15. Three semester-hour credits. Professor RUEDIGER.

20b. *Principles of Education.*—A comprehensive course in the bases, aims, values and essential content of education as revealed by biological, psychological, sociological and ethical principles. Second half-year. *Mon., Wed., Fri.*, at 9.15. Three semester-hour credits. Professor RUEDIGER.

21a. *Principles of Teaching.*—A brief course in the psychological and logical principles underlying the teaching process. First half-year. *Tu., Th.*, at 4. Two semester-hour credits. Professor RUEDIGER.

21b. *Principles of Education.*—A brief course in the bases, aims, values and essential content of education as revealed by biological, psychological, sociological and ethical principles. Second half-year. *Tu., Th.*, at 4. Two semester-hour credits. Professor RUEDIGER.

(Courses 20 and 21 should be preceded or accompanied by general psychology. Course 21 is designed especially for teachers in service.)

22. *History of Education.*—A general course in the historical development of educational theory and practice. *Sat.*, 9.15-11.15. Four semester-hour credits. Professor RUEDIGER.

24. *School Sanitation and Hygiene.*—A survey of the relations of education and health, including: The function of the school in promoting health; physical examination of children; medical inspection; physical education; diseases and defects incident to school life; the organization of instruction as related to fatigue; defective children; school-house construction and sanitation. Lectures, reference work, and reports. *Mon.*, at 5.10. Two semester-hour credits. Dr. SMALL.

25 *Secondary Education.*—After sketching the meaning and significance of secondary education as revealed by educational theory, by the secondary schools of Germany, France, and England, and by the history of secondary education in America, the course will consider in some detail the educational values, essential content, and methods of teaching the various high school branches. The problems of essential minima, of the connection of the studies with life, and of the development of initiative in the student will be emphasized. Not given in 1920-21. Four semester-hour credits. Dr. SMALL.

27. *School Administration.*—The public school system: Its development; economic and political relations; organization of administration, financial and educational; problems of administration. Lectures, assigned reading, and reports. *Wed.*, at 5.10. Dr. SMALL.

28. *Experimental Education.*—A laboratory course on processes of learning, transfer of practice, association, memory, etc. Special emphasis is laid upon practical work with the Binet and other mental tests. (Not given in 1920-21. See Philosophy 25.) Three semester-hour credits. Mrs. SYMONDS.

29. *Educational Story Telling.*—Study of type stories, adaptation of stories, practical story telling. It is the purpose of the course to develop a basis for the selection and presentation of suitable children's literature,

taking into consideration the various stages of the child's development. Lectures, required reading and reports. Not given in 1920-21. Four semester-hour credits. Mrs. Albion.

30. *Story Telling and Children's Literature.*—Study of Epics—Iliad, Odyssey, and Kalevalla. Re-telling, possible dramatization.

Part of the course will be given to a discussion of reading and reading books with a view to supplementing with stories and units of literature. It will be the purpose to work toward a solution of the problem of developing in the child a higher appreciation of the best in literature and a real love of books through his school reading. The course will extend and supplement Course 29 but will be open to all upper class students. *Tu., Th.*, at 5.10. Four semester-hour credits. Mrs. Albion.

34. *Observation.*—Observation of experienced teachers, under guidance, followed by discussion. The course should normally be taken in the junior year. Two semester-hour credits. Professor Ruediger.

35. *Practice Teaching.*—Teaching under supervision and criticism. The course should normally be taken in the senior year. Two semester-hour credits. Professor Ruediger.

Third Section. Primarily for Graduates.

50. *Seminar in Education.*—Topic for 1920-21: Educational Psychology. Special attention will be given to mental and educational tests, and a paper embodying constructive scholarship will be required of each member of the class. Open to qualified undergraduates. *Tu., Th.*, at 5.10. Six semester-hour credits. Professor Ruediger.

ELECTRICAL ENGINEERING

First Section. Primarily for Undergraudates.

1. *Mathematical Theory of Electricity and Magnetism.*—The fundamental units and formula of electricity and magnetism are studied so that the student may have a clear conception of the terms used in Electrical Engineering and Electric Design. This is an elementary subject leading to advanced studies, which require the understanding of certain groundwork principles. Prerequisite: Physics 1. Two hours, first half-year. Two semester-hour credits.

2. *Direct Current Theory; Dynamo Machinery and Alternating Currents.*—During the first half of the year the elements of electricity are studied, together with the principles involved in the construction and operation of direct current dynamos and motors. After a foundation of the elements of electricity has been established, direct current machines are examined, resulting in the discussion of the different forms of armatures, of their windings, cores, commutator, the various fields, the methods of arranging the windings for different purposes; the shape and materials of magnetic circuits; and the selection of types suited for performances of specific duties.

During the second half of the year, direct current machines are further studied, illustrating the characteristic curves and efficiencies of the different

types. An introduction to the characteristics of alternating currents are taken up, together with the solutions of simple and complex circuits. Numerous problems are assigned throughout the course. Prerequisite: Physics 1. Three hours. Six semester-hour credits.

3. *Electric Design.*—A course covering the design of simple electrical apparatus. The various materials used in the construction of electrical machinery are considered from the standpoint of magnetic and mechanical properties. Much of the time is devoted to calculations and the application of the principles taught in E. E. 1. Prerequisite: E. E. 1. Two hours, second half-year. Two semester-hour credits.

4. *Electrical Laboratory.*—A laboratory course for Juniors, involving experiments on measurements and tests of direct current machines. Ample instruction is given so that the student may gain a clear knowledge of the object of the experiment and so that no important point may be overlooked. Complete and concise reports describing each experiment and showing the results of the various tests are required from all students. Two three-hour periods, first half-year. Two semester-hour credits.

5. *Electrical Laboratory.*—A continuation of E. E. 4, in which further tests on direct current machines are made, involving a study of the performance characteristics of the different types. Prerequisite: E. E. 4. Two three-hour periods, second half-year. Two semester-hour credits.

6. *Industrial Electricity.*—A practical course intended for Juniors in Civil Engineering, embracing the selection and operation of electrical machinery and appliances. Prerequisite: Physics 1. Two hours, first half-year. Two semester-hour credits.

Second Section. For Undergraduates and Graduates.

21. *Alternating Current Theory and Machinery.*—A continuation of E. E. 2, covering the principles of simple and polyphase currents, including study of alternators, synchronous converters, induction motors, synchronous motors, transformers, etc. Four hours. Eight semester-hour credits.

22. *Electrical Distribution.*—A course for Seniors in Electrical Engineering, covering the whole field of distribution of electricity for light and power. Text-book: Ferguson's Elements of Electrical Transmission. One hour. Two semester-hour credits.

23. *Electrical Applications.*—A course for Seniors in Electrical Engineering, covering the more important applications of electricity, such as electric generating stations, motive power, electro-metallurgy, etc. One hour. Two semester-hour credits.

24. *Advanced Electrical Laboratory.*—Determination of inductance, impedance, condensance, etc. Measurement of power in alternating current circuits. Regulation and efficiency tests of alternators, and transformers. Tests of induction and repulsion motors. Two three-hour periods. Four semester-hour credits.

25. *Inspection of Plants and Industrial Works.*—In the vicinity of Washington and Baltimore are a number of modern electric lighting and street

railway plants, telephone exchanges, telegraph operating rooms, Government laboratories devoted to special work, etc., which afford students of Electrical Engineering an opportunity to familiarize themselves with nearly all types of apparatus in use. The visits are followed by class discussion based on written description submitted by the students.

27. *Electric Railways.*—A course for Seniors in Electrical Engineering covering the theory and practice of modern, direct and alternating current railways. Two hours, second half-year. Two semester-hour credits.

28. *Telephones and Telegraphs.*—Special applications of electricity to telephony and telegraphy are taught, with details and construction of instruments, switchboards and line work. This includes a study of telephone transmitters and receivers, circuits, etc. Two hours, first half-year. Two semester-hour credits.

29. *Electric Illumination.*—A study of the underlying principles of scientific illumination, exterior and interior. Color combinations, control, absorption, and reflection are considered. Detail study is also made of different types of lamps, shades, arrangement of light sources, effect of walls, etc. Two hours, second half-year. Two semester-hour credits.

Third Section. Primarily for Graduates.

50. *Radio-electricity.*—A mathematical treatment of the fundamental principles with an exposition of their application to present day practice. Problems based on the methods used and the apparatus employed in the generation of oscillatory currents; the reception of signals; and other features developed in the utilization of this method of transmission will be discussed. Six semester-hour credits, as a Minor, ten semester-hour credits, as a Major. Professor Cohen.

ENGLISH

First Section. Primarily for Undergraduates.

1. *English Rhetoric.*—A study of the principles of self-expression through language with practice in composition. *Tu., Th., Sat.*, at 10.15. Six semester-hour credits. Professor Wilbur.

2. *English Rhetoric.*—Parallel with Course 1. *Mon., Wed., Fri.*, at 5.10. Six semester-hour credits. Professor Wilbur.

Note.—Credit for Course 1 or 2 is requisite for admission to any other course in English except 5 and 6.

5. *Survey of English Literature.*—*Tu., Th., Sat.*, at 9.15. Sixsemester-hour credits. Assistant Professor Bolwell.

6. *Survey of English Literature.*—Parallel with Course 5. *Tu., Th., Sat.*, at 5.10. Six semester-hour credits. Assistant Professor Bolwell

Second Section. For Undergraduates and Graduates.

22. *Shakespeare.*—The Comedies. (The Temple edition of Shakespeare is recommended.) *Mon., Wed., Fri.*, at 10.15. Six semester-hour credits. Professor Wilbur.

24. *English Drama to 1642.*—From the beginning exclusive of Shakespeare to the closing of the theater. *Mon., Wed., Fri.*, at 9.15. Six semester-hour credits. Assistant Professor Bolwell.

25. *English Drama from 1642.*—*Mon., Wed., Fri.*, at 6.00. Six semester-hour credits. Professor Croissant.

26. *Nineteenth Century English Poetry.*—*Tu., Th., Sat.*, at 10.15. Six semester-hour credits. Professor Croissant.

27. *Humanistic Studies.*—The drama since 1890. *Tu., Th., Sat.*, at 10.15. Six semester-hour credits. Not given 1920-1921. Mr. Woodman.

28. *Humanistic Studies.*—Nineteenth Century English poetry. Six semester-hour credits. Not given 1920-1921. *Mon., Wed., Fri.*, at 4.00. Mr. Woodman.

29. *American Literature.*—Lectures and collateral reading. *Tu., Th., Sat.*, at 11.15. Six semester-hour credits. Professor Croissant.

30. *Types of Literature.*—Lectures on the principal types of literature with collateral reading. *Mon., Wed., Fri.*, at 4.00. Six semester-hour credits. Professor Croissant.

31. *Journalism.*—The fundamentals of newspaper writing. *Mon., Wed., Fri.*, at 5.10. Six semester-hour credits. Mr. Chace.

33. *American Literature.*—*Mon., Wed., Fri.*, at 6.00. Six semester-hour credits. Not given 1920-1921. Mr. Woodman.

36. *The Development of the Novel.*—*Mon., Wed., Fri.*, at 1.45. Six semester-hour credits. Assistant Professor Bolwell.

39. *Advanced Composition.*—*Tu., Th.*, at 4.00. Four semester-hour credits. Assistant Professor Bolwell.

Third Section. Primarily for Graduates.

51. *English Seminar.*—Problems for individual research. Six semester-hour credits.

52. *Shakespeare.* All the plays.—*Mon., Wed., Fri.*, at 6.00. Six semester-hour credits. Professor Wilbur.

55. *Shakespeare.*—The Comedian. *Tu., Th.*, at 5.10. Four semester-hour credits. Not given in 1920-1921. Professor Wilbur.

56. *English Comedy.*—The development of English Comedy with particular attention to the rise of Romantic Comedy before Shakespeare, and sentimental comedy in the eighteenth century. *Mon., Wed., Fri.*, at 5.10. Six semester-hour credits. Professor Croissant.

ETHNOLOGY

Third Section. Primarily for Graduates.

50. *General Introduction to Ethnology.*—A general course embracing man's place in nature; ancient man; the elements of physical anthropology; classification of living races; sociology; religious ideas; ethical ideas, and languages of primitive peoples; the beginnings of literature and art; linguistic survey of the world; ethnological survey of the world; discussion of the problems of

independent origins versus diffusion: the classical British, Graebnerian, and American schools. Lectures and collateral readings. *Tu.*, *Th.*, *Sat.*, at 5.10. Six semester-hour credits. Professor MICHELSON.

51. *Outlines of North-American Ethnology.*—As full a description of the aborigines of North America as the time will permit. Lectures and assigned readings. *Mon.*, *Wed.*, at 5.10. Four semester-hour credits. Professor MICHELSON.

52. *American Indian Languages.*—This is an introductory course, and presupposes only a moderate amount of previous linguistic training. After a brief introduction to the subject, two stocks will be studied, one in each half-year. *Two hours a week.* Four semester-hour credits. Given in 1920-1921 only if taken by at least three students. Professor MICHELSON.

53. *American Indian Languages* (second course).—This is an advanced course, and members must have taken course 52, unless they have done an equivalent elsewhere. *One hour a week.* Two semester-hour credits. Given if taken by at least three students. Professor MICHELSON.

54. *Seminar in Ethnology.*—Competent students will be assigned topics, and the results discussed at a weekly meeting. Four semester-hour credits. This course may be taken four times, counting each time. The subject-matter will be changed yearly. This will be in accordance with the needs of individual students. Professor MICHELSON.

FRENCH

See Romance Languages.

GEOLOGY AND MINERALOGY

First Section. Primarily for Undergraduates.

1. *Mineralogy.*—Crystallographic, descriptive, and determinative mineralogy. This course is designed with especial reference to minerals as rock constituents or segregated as ore deposits. It includes, therefore, a discussion of not merely the crystallographic and theoretical, but the practical side of the subjects as well. Whenever possible, it should be considered as introductory to the courses in either systematic or economic geology. Text Book: Mineralogy, Crystallography, and Blowpipe Analysis by Moses and Parsons. *Mon.*, *Fri.*, at 5.10. Four semester-hour credits. Professor BASSLER and Dr. RESSER.

2. *Geology.*—Systematic geology; dynamical, structural, and stratigraphical. The course is designed to form a part of a general-culture course or a preliminary course for those intending to make a specialty of geology. It includes lectures, recitations, laboratory and field work so far as hours will permit. Paleontology is treated as a branch of geology, having especial reference to stratigraphy and correlation. Text book: Cleland's Geology. *Mon.*, *Fri.*, at 6.00. Four semester-hour credits. Professor BASSLER and Dr. RESSER.

3. *General Geography.*—This course presents the principles of geography by a study of the phenomena of the earth as a whole, the interrelations of these phenomena and their influence upon human affairs. It consists of

two parts, first, a study of the general geographic principles, and second, a brief survey of several regions and countries for the application of these principles. It is a general culture lecture course illustrated by charts and lantern slides. No course is prerequisite. *Wed.*, at 5.10. Two semester-hour credits. Dr. Resser.

4. Physiographic Geography.—A general culture, illustrated lecture course treating of the physical phases of geography, the earth's surface, atmosphere, and the distribution of life. *Wed.*, at 6.00. Two semester-hour credits. Dr. Resser.

Second Section. For Undergraduates and Graduates.

20. *Economic Geology.*—[Geology 1 and 2 and Chemistry 1 are prerequisite for this course.] The course covers the subjects comprised under: (1) Mineral veins and metalliferous deposits, their mode of occurrence, origin, and classification; (2) the ores of iron, copper, lead, zinc, tin, silver, gold, mercury, antimony, etc.; and (3) the non-metallic minerals as the coals and hydrocarbon compounds; salts and minerals used in chemical manufactures; abrasive, refractory, and fictile materials, pigments, gems, ornamental stones, building stones, limes, cements, and mineral waters. Text-books: Lindgren's Mineral Deposits. *Mon., Fri.*, at 5.10. Given in alternate years. Four semester-hour credits. Professor Bassler and Dr. Resser.

21. *Engineering Geology.*—This course is intended primarily for civil engineers and others interested in applied geology. The work covers the general principles of geology with special emphasis upon those relating to engineering problems. The structure of rocks relative to building operations, the controlling factors of water supply and water purification and similar problems are discussed in detail. Text-book, Engineering Geology by Ries and Watson. *Mon., Fri.*, at 4.00. Four semester-hour credits. Dr. Resser.

22. *Paleontology.*—A course in lecture and laboratory work on the biological and geological relations of the more important types of animals and plants, with especial reference to their value in stratigraphic geology. Six semester-hour credits. Professor Bassler.

Third Section. Primarily for Graduates.

50. *Advanced Geology, Mineralogy and Paleontology.*—Advanced course in these subjects may be arranged for competent students. Six semester-hour credits. Professor Bassler.

GERMANIC LANGUAGES AND LITERATURE

First Section. Primarily for Undergraduates.

1. *Elementary.*—The essentials of German grammar; translation of easy prose and poetry; beginning conversation; composition and dictation. This course is open to beginners, and the work done is equivalent to that of a two year's course in high schools and academies of good standing. *Tu., Th., Sat.*, at 11.15. Six semester-hour credits. Professor Schoenfeld.

2. Parallel with course 1. *Tu., Th., Sat.*, at 5.10. Six semester-hour credits. Professor SCHMIDT.

3. Selected tests from the best contemporary authors will be read and one or more of the German classics carefully studied. The work in grammar and composition done in elementary German will be continued, with special emphasis on syntax, word-formation, and the relationship of German and English; conversation continued. This course is equivalent to the advanced German of the admission requirements, and it is open only to students who have passed Course 1 or 2, or have satisfied the admission requirement in elementary German. *Mon., Wed., Fri.*, at 11.15. Six semester-hour credits. Professor SCHOENFELD.

4. *Parallel with Course 3.*—Contemporary German is read during the first half-year and classical during the second half-year. *Mon., Wed., Fri.*, at 6.00. Six semester-hour credits. Professor SCHMIDT.

6. *Scientific and Technical German.*—Designed primarily for students in the scientific and engineering courses. This course may be taken by students who have passed course 1 or 2, or who have satisfied the admission requirement in elementary German. *Tu., Th., Sat.*, at 6.00. Six semester-hour credits. Professor SCHMIDT.

7. Advanced course in German syntax; principal difficulties of the language; idioms, synonyms; translations of English prose into German; essays; selected advanced prose; classical and historical reading and literature; advanced science. Open to students who have passed Course 3 or have satisfied the admission requirement in advanced German. *Mon., Wed., Fri.*, at 1.45. Six semester-hour credits. Professor SCHOENFELD.

8. Parallel with Course 7, with special reference to advanced students both in the historic-political and the scientific departments. *Tu., Th., Sat.*, at 5.10. Six semester-hour credits. Professor SCHOENFELD.

Second Section. For Undergraduates and Graduates.

20. *Outline of the History of German Literature and Civilization from the Teutonic Origins to the Renaissance and Reformation*, with special reference to the emerging of the Germanic, Romance, and Slavic races. Anthology of the early literary monuments to the Minnesingers.—Lectures, extensive readings of the classics of the first period of bloom; advanced practice in writings, essays. *Mon., Wed., Fri.*, at 10.15. Six semester-hour credits. Professor SCHOENFELD.

21. *German Literature of the Second Classic Period at its Zenith.*—Lessing's Life and Work; Goethe's work in the Natural Sciences; Schiller's drama at its zenith; Goethe's and Winckelmann's influence on German art; with special reference to the modern drama; Goethe's Faust, as a special critical and philosophical study; classical ballad and lyric poetry; renaissance of the German volkslied in the eighteenth and nineteenth centuries. *Mon., Wed., Fri.*, at 5.10. Six semester-hour credits. Professor SCHOENFELD.

22. *The Currents of German Literature from the Beginning of the Nineteenth Century until 1870.*—Romanticism, its social and political aspects; Modern

German Drama, with special emphasis on Kleist, Grillparzer, Hebbel; Lyrics and Ballads; Uhland and Heine. *Mon., Wed., Fri.*, at 5.10. Six semester-hour credits. Not given in 1920-21. Professor SCHOENFELD.

Third Section. Primarily for Graduates.

50. *Seminar in the History of Middle High German Literature,* with special reference to the Epic and Lyrical Poetry in the Twelfth and Thirteenth Centuries. Introduction to scientific methods of historical and literary research in the Nibelungenlied and the Gudrunsaga. Six semester-hour credits. Professor SCHOENFELD.

51. *Gothic.*—Introduction to comparative Indo-European Grammar. Six semester-hour credits. Professor SCHMIDT.

52. *Old High German.*—The development of the German language. Six semester-hour credits. Professor SCHMIDT.

Only one of the foregoing two courses (51, 52) is given in any one year.

For notice of the Richard Heinzel Germanic Library, see page 10.

GREEK

See Classical Language.

HISTORY

First Section. Primarily for Undergraduates.

1. *Mediaeval History.*—A history of the settlement of the Germanic tribes in the territory of the Empire, with a study of feudal institutions, extending through the movements of the Crusades; texts, with assigned readings. First half-year. *Mon., Wed., Fri.*, at 2.45. Three semester-hour credits. Professor SWISHER.

2. *Mediaeval History.*—A history of the evolution of national government extending through the periods of the Renaissance and the Protestant Revolution; texts and assigned readings. Second half-year. Three semester-hour credits. *Mon., Wed., Fri.*, at 2.45. Professor SWISHER.

3. *Modern European History.*—A study of the European States under the new conditions resulting from the discovery of America and the opening of the oriental trade routes, extending through the period of the French Revolution; texts, lectures and collateral readings. First half-year. *Mon., Wed., Fri.*, at 3.45. Three semester-hour credits. Professor SWISHER.

4. A continuation of the preceding through the revolutionary movements of the nineteenth century, with a more detailed study of recent issues; texts, lectures and collateral readings. Second half-year. *Mon., Wed., Fri.*, at 3.45. Three semester-hour credits. Professor SWISHER.

Second Section. For Undergraduates and Graduates.

20. *American History.*—A study of the formation of the Union and the subsequent history of the United States to date, with particular attention to those factors which have tended to develop or retard the growth of American nationality; text-book, lectures, and special reports. *Tu., Th., Sat.*, at 11.15. Six semester-hour credits. Assistant Professor ALDEN.

21. *Ancient History.*—A study of the history of the ancient oriental peoples, and of Greece and Rome; with collateral readings in the translated texts of Herodotus, Plutarch, Thucydides, Tacitus and others. *Tu.*, *Th.* *Sat.*, at 9.15. Six semester-hour credits. Assistant Professor KAYSER.

25. *English History.*—A general course in English history with special attention to constitutional and political development. Texts, lectures and collateral reading. *Mon.*, *Wed.*, *Fri.*, at 5.10. Six semester-hour credits. Assistant Professor CHURCHILL.

30. *American Constitutional History.*—A history of the origin and development of the Federal Constitution of 1789, with a study of its interpretation under the pressure of party issues. Lectures, text-books, and collateral readings. *Mon.*, *Wed.*, *Fri.*, at 6.00. Six semester-hour credits. Assistant Professor MCARTHUR.

31. *Modern European History.*—A study of the French revolution and subsequent reaction extending through the Revolution of 1848. First half-year. *Tu.*, *Th.*, *Sat.*, at 6.00. Three semester-hour credits. Professor SWISHER.

32. *Modern European History.*—From 1850 to the present time. Second half-year. *Tu.*, *Th.*, *Sat.*, at 6.00. Three semester-hour credits. Professor SWISHER.

33. *Current History.*—A discussion of political questions of the day, with special reference to their origin and historical significance. Lectures throughout the year. *Sat.*, at 11.15. Two semester-hour credits. Professor SWISHER.

34. *Contemporary History.*—A study of international issues during the present century with special reference to the causes and results of the recent war. *Tu.*, *Th.*, *Sat.*, at 5.10. Professor SWISHER and Assistant Professor MCARTHUR. Not given in 1920-21.

35. *General History.*—History of Europe from the fall of the Empire of the West to the election of Charles V. *Tu.*, *Th.*, *Sat.*, at 5.10. Six semester-hour credits. Professor SWISHER and Assistant Professor MCARTHUR.

Third Section. Primarily for Graduates.

54. *Seminary Work.*—The results of individual research, conducted by graduate students upon assigned topics, will be discussed at the weekly meetings of the Seminaries of American and Modern European History.

Undergraduate students qualified by previous historical study, who desire to do intensive work with a view to gaining fuller information upon special periods or facility in the use of historical materials, may, with the approval of the instructor, be admitted to the historical seminars. Regular meeting of Seminar, *Saturday*, 12.15–2.15. Six semester-hour credits. Professor SWISHER, Assistant Professor ALDEN, and Assistant Professor CHURCHILL.

Note.—Additional courses in history may be given in 1920-21, and there may be resulting changes in class hours. Announcements of the changes will be made in September.

INTERNATIONAL LAW AND DIPLOMACY

See Political Science.

LATIN

See Classical Languages.

MATHEMATICS

First Section. Primarily for Undergraduates

3. *College Algebra; Solid Geometry; Plane Trigonometry.*—Algebra is studied during the first half-year, solid geometry during February and March, and trigonometry during April and May. Section A. *Mon. Wed., Fri.*, at 9.15. Section B. *Tu., Th., Sat.*, at 9.15. Six semester-hour credits. Professor Erwin.

4. *Algebra; Plane Trigonometry.*—Algebra is studied until April 1, and trigonometry during April and May. *Mon., Wed., Fri.*, at 5.10. Six semester-hour credits. Assistant Professor Hodgkins.

6. *College Algebra; Solid Geometry; Plane Trigonometry.*—Parallel with Course 3. *Mon., Wed., Fri.*, at 6.00. Six semester-hour credits. Assistant Professor Hodgkins.

8. *College Algebra.—Mon., Wed., Fri.*, at 5.10. Second half-year. Three semester-hour credits. Mr. Daniel.

9. *Trigonometry; Analytic Geometry.*—Trigonometry until Jan. 1, analytic geometry for the remainder of the session. The completion of Course 3, 4 or 6 is requisite for admission to this course. *Mon., Wed., Fri.*, at 10.15. Six semester-hour credits. Professor Erwin.

12. *Trigonometry; Analytic Geometry.*—Parallel with Course 9. Section A. *Mon., Wed., Fri.*, at 5.10. Section B. *Mon., Wed., Fri.*, at 6.00. Section C. *Tu., Th., Sat.*, at 6.00. Six semester-hour credits. Professor Erwin.

Second Section. For Undergraduates and Graduates

20. *Differential and Integral Calculus; Elements of differential equations.—Tu., Th., Sat.*, at 5.10. Six semester-hour credits. Professor Hodgkins.

21. *Differential and Integral Calculus; Elements of differential equations.—Tu., Th., Sat.*, at 9.15. Six semester-hour credits. Professor Hodgkins.

24. *An Elementary Treatise on the Theory of Equations; The Number-System of Algebra.—Tu., Th., Sat.*, at 10.15. First half-year. Three semester-hour credits. Professor Erwin.

25. *Introduction to Infinitesimal Analysis; Hyperbolic Functions.—Tu., Th., Sat.*, at 10.15. Second half-year. Three semester-hour credits. Professor Erwin.

Third Section. Primarily for Graduates

50. *Differential Equations.—Mon., Fri.*, at 11.15. Four semester-hour credits. Professor Hodgkins.

51. *Least Squares.—Tu., Th.*, at 10.15. Second half-year. Two semester-hour credits. Professor Hodgkins.

54. *Theory of Functions of a Complex Variable.*—*Tu.*, *Th.*, *Sat.*, at 5.10. Six semester-hour credits. Professor ERWIN.

55. *Differential Geometry.*—*Tu.*, *Th.*, *Sat.*, at 5.10. Six semester-hour credits. Note.—Not more than two of the courses 24, 25, 54, and 55 will be given during any one semester. Professor ERWIN.

MECHANICAL DRAWING

First Section. Primarily for Undergraduates

1. *Mechanical Drawing.*—A general course embracing the care and use of instruments; Freehand lettering, orthographic and isometric projections; sketching of simple machine details; principle of working drawings; curve plotting. Section A. *Mon.*, *Wed.*, 1.45 to 4.45. Section B. *Mon.*, *Fri.*, 7.30 to 10.30 P. M. Four semester-hour credits. Assistant Professor HALSEY, Mr. WOODWARD. Mr. WILSON, Mr. CRUICKSHANKS.

2. *Machine Drawing.*—A course in working drawings especially designed for Mechanical and Electrical Engineering students. The course is largely one of empirical design of standard parts. Much stress is laid upon drafting room practice, arrangement of views and conventional forms and standards Section A. *Mon.*, *Wed.*, 1.45 to 4.45. Section B. *Tu.*, *Th.*, 7.30 to 10.30 P. M. Four semester-hour credits. Assistant Professor HALSEY, Mr. WOODWARD, Mr. WILSON and Mr. CRUICKSHANKS.

4. *Mechanical Drawing.*—A course for Chemical Students. Section A. *Wed.*, 1.45 to 4.45. Section B. *Mon.*, 7.30 to 10.30 P. M. Two semester-hour credits. Assistant Professor HALSEY, Mr. WOODWARD, Mr. WILSON, Mr. CRUICKSHANKS.

8. *Descriptive Geometry.*—A course of lectures, recitations, and drafting room work on the line, point, and plane; single and double curved surfaces; tangent lines and tangent planes; intersections of lines, planes, and solids; shades, shadows and perspective. Section A. *Fri.*, 1.45 to 4.45. Section B. *Wed.*, 7.30 to 10.30 P. M. Two semester-hour credits. Professor LAPHAM and Mr. CRUICKSHANKS.

MECHANICAL ENGINEERING

First Section. Primarily for Undergraduates

1. *Mechanism.*—A course in the systematic study of the kinematics of machinery, in which the mechanical movements are reduced to a scientific analysis. Carefully developed problems and diagrams of changes of position and speed in mechanism are constantly used.

Some attention is given to the design of gear teeth, and a large part of the second half-year is devoted to the study of steam engine valve gears. Section A. *Mon.*, *Wed.*, *Fri.*, at 10.15. Section B. *Mon.*, *Wed.*, *Fri.*, at 6.00 and one two-hour drawing period per week. Eight semester-hour credits. Mr. CRUICKSHANKS.

9. *Engineering Laboratory.*—A course of practical work in the testing of engineering apparatus and materials. The work consists of tests of the strength of iron, steel and cement; measurement of the flow of air and water;

tests of steam calorimeters; tests of pumping machinery; efficiency tests of steam engines; fuel value determinations; evaporative efficiency of boilers. Two three-hour periods, second half-year. Two semester-hour credits. Assistant Professor HALSEY.

10. *Engineering Laboratory.*—A completion of Course 9. Two three-hour periods, first half-year. Two semester-hour credits. Assistant Professor HALSEY.

11. *Engineering Laboratory.*—Advanced work in the laboratory for Mechanical Engineering students. The work consists of efficiency tests of refrigerating machinery, air compressing machinery; Hirn's analysis; etc. Two three-hour periods, second half-year. Two semester-hour credits. Assistant Professor HALSEY.

Second Section. For Undergraduates and Graduates

20. *Thermodynamics, Steam Boilers, and Power Plant Accessories.*—About five months are devoted to the principles of thermodynamics, the theoretical gas and vapor cycles, and the properties of steam. The application of the theoretical vapor cycles to the real steam engine is discussed. The latter part of the course is devoted to the study of steam boilers, steam turbines, gas engines, steam power plant accessories, compression and refrigeration machinery. Three hours. Six semester-hour credits. Assistant Professor HALSEY and Mr. CRUICKSHANKS.

23. *Hydraulic Machinery.*—This course provides for an elementary study of hydraulic prime movers and pumping machinery. It includes a discussion of the theory and design of turbines and turbine blades for low and high heads, and turbine governors.

The impeller and diffusion vane case of a four stage centrifugal pump are designed and drawings made of these parts. Two hours, first half-year. Two semester-hour credits. Assistant Professor HALSEY.

24. *Methods of Manufacture.*—A study of modern manufacturing methods, machine tools, automatic machines and quantity production machinery. Two hours, second half-year. Two semester-hour credits. Assistant Professor HALSEY.

25. *Machine Design.*—This course is an application of principles already acquired to problems in design, each student being required to complete every detail of the design undertaken.

The subjects taken as design problems are:

The complete design of a punch, or the design of a steam boiler, a series of shaft-couplings, and a fly-wheel.

The constructive details and calculations are discussed and the limitations of theoretical and empirical formulas pointed out. One lecture-recitation hour and five hours in the drawing room. Four semester-hour credits. Assistant Professor HALSEY.

26. *Dynamics of Machinery.*—A course including a number of the principal applications of dynamics to moving machinery, such as governors, fly-wheels, and the effect of the reciprocating parts of gas and steam

engines. Two hours. Four semester-hour credits. Assistant Professor HALSEY.

27. *Power Plants.*—A course of problems dealing with the operation, finance and economics of steam and gas-power plants. The course should be taken with the second semester of Mechanical Engineering, 20. Two three-hour problem periods. Two semester-hour credits. Assistant Professor HALSEY.

28. *Industrial Management.*—A course dealing with the business systems of manufacturing establishments.

The work includes a study of the organization and relations of the various departments of an industrial establishment, both in the office and in the workshop. It also discusses the conduct of accounts, the method of superintendence and of compensating labor, the determination of the cost of production, and the effect on costs of different systems of distributing indirect expenses. This course also considers the factors which enter into a determination of the depreciation of structures and the economic selection thereof. Two hours. Four semester-hour credits. Assistant Professor HALSEY.

29. *Heating and Ventilating.*—This course deals with the elementary principles underlying the subject of heating and ventilating. Furnace heating, direct and indirect steam heating, hot-water heating, and the ventilating of different types of buildings are discussed. Two hours. Second half-year. Two semester-hour credits. Assistant Professor HALSEY.

30. *Gas Engines.*—This course deals with the thermodynamics and practice of the internal combustion engine. A study is made of the principal existing types of engines. Three hours. First half-year. Three semester-hour credits. Assistant Professor HALSEY.

31. *Steam Turbines.*—This course deals with the thermodynamics and practice of the steam turbine. Nozzle and blade design is taken up and a study is made of the existing types of turbines. Two hours. Second half-year. Two semester-hour credits. Assistant Professor HALSEY.

Third Section. Primarily for Graduates.

50. *Advanced Machine Design.*—Six semester-hour credits. Assistant Professor HALSEY.

51. *Advanced Power Plant Design.*—Six semester-hour credits. Assistant Professor HALSEY.

METEOROLOGY

Third Section. Primarily for Graduates.

50. *Applied Meteorology.*—Investigation of the underlying laws governing meteorological phenomena and of the methods employed in practice for their interpretation and applications. Six semester-hour credits. Professor MOORE.

51. *Meteorological Physics.*—This course presupposes collegiate training in general physics. Particular attention will be given to the interpretation of meteorological phenomena in the light of modern physics; and those

wishing to make this their principal study will be assisted in the selection of a suitable problem for investigation and advised in the collection of data necessary to its solution. Six semester-hour credits. Professor HUMPHREYS.

NAUTICAL SCIENCE

First Section. Primarily for Undergraduates.

1. *Nautical Science.*—Marine and aerial navigation; nautical astronomy; nautical almanac; production and use of nautical charts; tides; applications of meteorology, terrestrial magnetism and oceanography to navigation and seamanship; deviation of the compass in iron and steel ships; theory and use of instruments of navigation. Four semester-hour credits. Professor LITTLEHALES.

Third Section. Primarily for Graduates.

50. *Nautical Science.*—Special investigations requiring original thought in relation to avenues of progress, such as the neutralization of the effects of the ship's magnetism upon the compass, the development of the gyroscopic compass, the supplying of means to enable seamen to make astronomical observations at night or when the horizon is hidden from view. The applications of nautical astronomy to aerial navigation. Conferences, assigned readings, direction of research. Six semester-hour credits. Professor LITTLEHALES.

NAVAL ARCHITECTURE

Second Section. For Undergraduates and Graduates.

20. *Elementary Naval Architecture.*—Calculations and details of construction connected with the design of steel composite and wooden ships for the merchant, naval and special services. Students make structural, and line drawings for a given vessel. Three recitations, one drawing period. Eight semester-hour credits. Mr. JENNISON.

21. *Advanced Naval Architecture.*—Advanced design, ship construction, equipment and fittings, organization and administration of shipyards, economics of design, inspection, testing, contracts and specifications. Students' complete design, calculations and specifications for a vessel. At seasonable periods during the course, shipyards in the vicinity are visited and studied. Three recitations, one drawing period, Eight semester-hour credits. Mr. JENNISON.

24. *Elementary Marine Engineering.*—Boilers, reciprocating engines and auxiliary machinery. Fuels and thermodynamics for marine machinery, indicator diagrams and valve gears. Students make arrangement drawings for a scotch boiler and reciprocating engine. Three recitations, one drawing period. Eight semester-hour credits. Mr. JENNISON.

PHILOSOPHY AND PSYCHOLOGY

First Section. Primarily for Undergraduates.

1. *General Psychology.*—An introductory study of human nature in its emotional, intellectual, and volitional aspects. First half-year. *Mon.*,

Wed., *Fri.*, at 10.15. Three semester-hour credits. Assistant Professor METCALF.

2. *General Psychology.*—Parallel with Course 1. Second half-year. *Mon.*, *Wed.*, *Fri.*, at 5.10. Three semester-hour credits. Assistant Professor METCALF.

6. *General Psychology.*—Parallel with course 1. First half-year. *Tu.*, *Th.*, *Sat.*, at 5.10. Three semester-hour credits. Assistant Professor METCALF.

3. *Logic.*—A study of the thinking process, the principles of deductive and inductive inference, and the nature, structure, and organization of knowledge. Second half-year. *Mon.*, *Wed.*, *Fri.*, at 10.15. Three semester-hour credits. Professor RUEDIGER.

4. *Logic.*—Parallel with Course 3. First half-year. *Mon.*, *Wed.*, *Fri.*, at 5.10. Three semester-hour credits. Professor RUEDIGER.

8. *Logic.*—Parallel with course 3. Second half-year. *Tu.*, *Th.*, *Sat.*, at 5.10. Three semester-hour credits. Assistant Professor METCALF.

Second Section. For Undergraduates and Graduates.

20. *History of Philosophy.*—The more important epochs in the history of thought. Attention is directed to the relation of these distinctive periods to the course of the world's progress. *Tu.*, *Th.*, *Sat.*, at 10.15. Six semester-hour credits. Professor RICHARDSON.

21. *Ethics.*—A historical and theoretical course, with the aim of acquainting the student with the principal ethical theories. Reference is made to the application of these theories to concrete conditions. Second half-year. *Tu.*, *Th.*, at 9.15. Two semester-hour credits. Professor RICHARDSON.

22. *Ethics.*—Parallel with Course 21. Second half-year. *Mon.*, *Wed.*, at 6.00. Two semester-hour credits. Professor RICHARDSON.

23. *Laboratory Psychology.*—Experiments on sensation, perception, attention, memory, feeling motor processes, etc. In the second half-year the course will include a study of mental tests. Prerequisite: general psychology. Lecture, *Mon.* at 1.45, Laboratory *Wed.*, *Fri.* 1.45-3.45. Six semester-hour credits. Assistant Professor METCALF.

24. *History of Philosophy.*—The development of philosophy, its nature and problems. This course, while introductory, is designed to be comprehensive and to give the student a general survey of the philosophic field. *Tu.*, *Th.*, at 5.10. Four semester-hour credits. Professor RICHARDSON.

25. *Laboratory Psychology.*—Experiments on sensation, movement, effects of practice, memory and association, emotional manifestations, etc., and practical work with the Binet and other mental tests. *Sat.*, 9.15–11.15. Three semester-hour credits. Assistant Professor METCALF.

27. *Recent Philosophical Movements.*—A consideration of the various philosophical movements and tendencies of the immediate past. A critical study of the occasion and meaning of the trend of thought at the present time. Lectures and reading of recent books and periodicals. *Wed.*, at 5.10. Two semester-hour credits. Professor RICHARDSON.

28. *Philosophy of Nature.*—A critical examination of the concepts of physical science. An investigation of the significance of scientific laws and theories. Not given in 1920-21. Two semester-hour credits. Professor RICHARDSON.

(Courses 27 and 28 are given in alternate years.)

29. *Problems of Philosophy.*—A critical and constructive examination of fundamental philosophic principles and problems. Lectures, readings, and reports. First half-year. *Tu.*, *Th.*, at 9.15. Two semester-hour credits. Professor RICHARDSON.

30. *Problems of Philosophy.*—Parallel with Course 29. First half-year. *Mon.*, *Wed.*, at 6. Two semester-hour credits. Professor RICHARDSON.

Third Section. Primarily for Graduates.

50 *Seminar in Psychology.*—Topics of current interest in psychology will be studied by means of papers, discussions and reviews of contemporary literature. Open to qualified undergraduates. *Tu.* and *Th.* at 6. Six semester-hour credits. Assistant Professor METCALF.

51. *Metaphysics.*—The principles of metaphysics and the problems of philosophy. An advanced course tracing the origin and development of metaphysical questions, and a critical examination of the attempted solution of these problems. Readings, conferences and written reports. Six semester-hour credits. Professor RICHARDSON.

52. *Advanced, Experimental, Abnormal or Physiological Psychology.*—Course to be altered in different years in accordance with the needs of students. Prerequisite—courses in general psychology, and introductory experimental psychology. Conferences, reading of recent literature, and demonstrations. *Mon.*, 7.30-9.30. Six semester-hour credits. Professor FRANZ.

53. *Research in Psychology.*—Advanced students, who select psychology as major or minor for the degree of A.M., or Ph.D., will be given special topics for investigation in abnormal, physiological or experimental psychology. To be preceded or accompanied by Course 52 or its equivalent. Six semester-hour credits. Professor FRANZ.

PHYSICS

First Section. Primarily for Undergraduates.

1. *General Physics.*—A recitation and lecture course, embracing the fundamental principles of mechanics, sound, heat, light, and electricity. The lectures are illustrated by experimental demonstrations. This is a required course for Sophomores in Engineering, and may be elected by the general student who has completed Mathematics 9 or 12. Section A, *Mon.*, *Wed.*, *Fri.*, at 11.15; Section B, *Mon.*, *Wed.*, *Fri.*, at 5.10. Six semester-hour credits. Professor BROWN.

2. *Laboratory Physics.*—Laboratory methods, accurate measurement of physical quantities, and experimental study of physical laws and apparatus. Course 2 is arranged to accompany Course 1, and may not otherwise be

taken without previous preparation in Physics equivalent to Course 1. Two two-hour periods. *Tu.*, *Th.*, 10.15, 2.45, or 7.30, or *Mon.*, *Fri.*, 7.30. Four semester-hour credits. Professor BROWN, Mr. CHENEY and assistants.

3. *Introductory General Physics.*—Recitations, and lectures illustrated by experimental demonstrations. Similar in scope to Course 1, but less mathematical in treatment. Planned with reference to the needs of the student who desires an acquaintance with the facts and principles of Physical Science in their relation to the other sciences. Section A, *Mon.*, *Wed.*, *Fri.*, at 1.45, Professor BROWN; Section B, *Mon.*, *Wed.*, *Fri.*, at 6.00, Mr. CHENEY. Six semester-hour credits.

4. *Introductory Laboratory Physics.*—Laboratory methods, and experimental study of physical laws and apparatus, and of the use of the simpler instruments of precision measurement. Course 4 is arranged to accompany Course 3, and may not otherwise be taken without previous preparation in Physics equivalent to Course 3. *Tu.*, *Th.*, 10.15, or *Tu.*, *Th.*, 2.45, or *Mon.*, *Fri.*, 7.30. Four semester-hour credits. Professor BROWN, Mr. CHENEY and Assistants.

9. *Elementary Electricity and Magnetism and its Applications.*—Recitations and lectures illustrated by experimental demonstrations. This course is designed to acquaint the non-technical student with the fundamental principles and phenomena of Electricity and Magnetism, and their applications in every day life. *Tu.*, *Th.*, 11.15. Four semester-hour credits. Professor BROWN.

Second Section. For Undergraduates and Graduates.

21. *Heat aud Thermodynamics.*—A recitation and lecture course, using Edser's *Heat* as a class text, and the more advanced texts and the literature for reference reading. Six semester-hour credits. Not given in 1920-21. Professor BROWN.

22. *Light.*—A recitation and lecture course, using Edser's *Light* as a class text, and the more advanced texts and the literature for reference reading. Six semester-hour credits. Not given in 1920-21. Professor BROWN.

23. *Electricity and Magnetism.*—Lectures and recitations. The fundamental theory and phenomena of Electricity and Magnetism will be studied as a preparation for the study of the recent developments and theories in this field of Physical Science. Special attention will be given, towards the end of the course, to the electron theory in its relation to these modern developments. *Tu.*, *Th.*, *Sat.*, at 5.10. Professor BROWN.

25. *Advanced Laboratory Physics.*—This course is planned to follow Course 2, and is given for students especially interested in Physics. The experimental work may be of a general nature, or may follow special lines of study, according to the needs of the individual student. Course 25 may advantageously be taken by students in Courses 21, 22 and 23. One or more periods per week. Two or more semester-hour credits. Hours by arrangement. Assistant Professor BROWN.

Third Section. Primarily for Graduates.

57. *Statistical Mechanics and Kinetic Theory.*—This course includes Gibb's preliminary derivation of the fundamental equations of thermodynamics and a discussion of the physical properties of gases from the standpoint of general dynamics. Viscosity, diffusion, heat conduction, Brownian movements, Van der Wall's equations and molecular aggregation and dissociation. Gibb's statistical mechanics and Jean's Dynamical Theory of Gases. A lecture and seminar course. Not given in 1920-21. Mr. Van Orstrand.

58. *Elasticity.*—The physical properties of solids as applied to problems in geophysics. Homogenous stress and strain. Potential energy of strained solids. Transmission of force. Propagation of earthquake waves. Love's Mathematical Theory of Elasticity. A lecture and seminar course. Not given in 1920-21. Mr. Van Orstrand.

60. *Least Squares.*—Derivation of the law of errors and adjustment of observations with special reference to the determination of the constants of empirical formulas. Merrimans' Method of Least Squares. A lecture and recitation course. First half-year. *Mon.* at 5.10 One semester-hour credit. Mr. Van Orstrand.

61. *Conduction of Heat.*—Fourier's analysis is applied to numerous problems in the diffusion of heat and substances. Ingersoll and Zobel's Mathematical Theory of Heat Conduction. A lecture and recitation course. Second half-year. *Mon.*, at 5.10. One semester-hour credit. Mr. Van Orstrand.

POLITICAL SCIENCE

First Section. Primarily for Undergraduates.

1. *Government of the United States.*—Besides an analysis of the structure of the federal government this course includes a study of the powers and the influence of the president, the power to make treaties, to tax, to control the railroads and the wires, and to restrict immigration. The course surveys the functions of the courts, and it shows how the Federal Trade Commission has modified the earlier policies in regard to the trusts. The problems connected with the currency, the tariff, foreign commerce, and with our colonial empire are discussed. Governmental changes in foreign countries are noted and compared with those at home. First half-year. *Mon., Wed., Fri.*, at 10.15. Three semester-hour credits. Professor Hill.

2. *Government of the United States.*—Parallel with Course 1. *Tu., Th., Sat.*, at 6.00. Professor Hill.

3. *State Government.*—The vote, public opinion, direct legislation, police power, public utilities, and executive responsibility are the chief topics. A rapid survey is made of the three types of city government in the United States and of local government in the United Kingdom and in France. Second half-year. *Mon., Wed., Fri.*, at 10.15. Three semester-hour credits. Professor Hill.

4. *State Government.*—Parallel with Course 3. *Tu., Th., Sat.*, at 6.00. Professor HILL.

6. *Political Parties in the United States.*—A study of the functions of political parties in our government, their history, and their organization. First half-year. *Tu., Th., Sat.*, at 5.10. Three semester-hour credits. Not given in 1920-21.

8. *South American Republics.*—A sketch of their establishment, an analysis of the structure of their governments, and a study of how these governments reflect economic and social conditions is the object of the course. Second half-year. *Tu., Th., Sat.*, at 5.10. Three semester-hour credits. Not given in 1920-21.

Second Section. For Undergraduates and Graduates.

21. *Comparative European Governments.*—The governments of the British Empire and of Germany. First half-year. *Mon., Wed., Fri.*, at 11.15. Three semester-hour credits. Professor HILL.

22. *Comparative European Governments (continued.)*—The Governments of France, Italy and Switzerland are described and some attention is given colonial administration. Second half-year. *Mon., Wed., Fri.*, at 11.15. Three semester-hour credits. Professor HILL.

23. *City Government in the United States.*—A study of the origin and structure of the mayor and council, commission, and city manager plans, home rule, the relation of the city to the state, municipal powers and officers, social and individual rights and of references to European experience. First half-year. *Mon., Wed., Fri.*, at 11.15. Three semester-hour credits. Not given in 1920-21.

24. *Constitutional Law.*—The interpretation of clauses in the constitutions of the United States and of the separate states affecting officers, courts, powers of Congress, police power and private rights as found in judicial decisions forms the subject matter. Second half-year. *Mon., Wed., Fri.*, at 11.15. Three semester-hour credits. Not given in 1920-21.

26. *Brazil, Its Political Evolution.*—A study of the political, social, and economical evolution of Portuguese America. The international policy of Brazil is given due consideration. The course runs through the year. Two semester-hour credits. *Mon.*, at 5.10. Professor COUTINHO.

27. *International Relations.*—The leading European treaties, especially during the last century, form the focii of the course. The purpose is to find what principles of international law and diplomacy have been evolved and applied. First half-year. *Tu., Th., Sat.*, at 5.10. Three semester-hour credits. Professor HILL.

28. *International Relations, (continued).*—Leading American treaties form the basis for this course. Second half-year. *Tu., Th., Sat.*, at 5.10. Three semester-hour credits. Professor HILL.

29. *Principles of International Law.*—Lectures, text, cases, and a paper. First half-year. *Mon., Wed., Fri.*, at 5.10. Three semester-hour credits . Rear-Admiral Stockton and Professor HILL.

30. *Elements of Diplomacy and Diplomatic Usage.*—Lectures, text, cases, and a paper. Second half-year. *Mon., Wed., Fri.*, at 5.10. Three semester-hour credits. Rear-Admiral STOCKTON and Professor HILL.

Third Section. Primarily for Graduates.

51. *Readings in Political Science.*—This course is arranged to meet the individual needs of advanced students. The handling of material and the writing of a report are included. Hours by appointment. Two semester-hour credits each half-year. Professor HILL.

PREVENTIVE MEDICINE

Third Section. Primarily for Graduates.

50. A seminar course dealing with vital statistics; etiology and prevention of infectious diseases; causes and prevention of infant mortality; prevention of disease of occupation; protective inoculations; municipal hygiene; national and interstate preventive measures. Six semester-hour credits. Professor PRYOR.

ROMANCE LANGUAGES AND LITERATURE

French

First Section. Primarily for Undergraduates.

1. *First-Year Course.*—Fraser and Squair's Grammar. Grammar, composition, drill in pronunciation, translation and reading of modern French fiction, comedy and history. For beginners. Six semester-hour credits. Section A, *Mon., Wed., Fri.*, at 9.15; Section B, *Tu., Th., Sat.*, at 9.15. Mr. PROTZMAN.

2. *First-Year Course.*—Parallel with Course 1. Fraser and Squair's French Grammar. For beginners. Six semester-hour credits. Section A, *Mon., Wed., Fri.*, at 5.10, Mr. PROTZMAN. Section B, *Mon., Wed., Fri.*, at 6.00, Mr. PROTZMAN. Section C, *Tu., Th., Sat.*, at 5.10, Mr. PROTZMAN. Section D, *Tu., Th., Sat.*, at 5.10., Mr. KRAMER. Section E, *Tu., Th., Sat.*, at 6.00, Mr. CULLOM.

3. *Second-Year Course.*—Fraser and Squair's French Grammar. First text, Loti, "Pêcheur d'Islande," (Holt); other texts to be announced. Open to students who have passed in French 1 or 2, or have fulfilled the admission requirements in Elementary French. Six semester-hour credits. Section A, *Mon., Wed., Fri.*, at 10.15, Professor HENNING. Section B, *Tu., Th., Sat.*, at 9.15. Professor DOYLE.

4. *Second-Year Course.*—Parallel with Course 3. Fraser and Squair's French Grammar. First text, Dumas fils, "La question d'argent" (Heath); other texts to be announced. Six semester-hour credits. Section A, *Tu., Th., Sat.*, at 5.10, Professor HENNING. Section B, *Tu., Th., Sat.*, at 6.00, Mr. KRAMER.

5. *General Survey of Modern French Literature.*—(Nineteenth, eighteenth, and seventeenth centuries.) Translation, collateral reading and reports thereon, lectures on literature. Open to students who have passed in

Course 3 or 4, or have fulfilled the admission requirements in Advanced French. Six semester-hour credits. *Mon., Wed., Fri.*, at 4.00. Professor HENNING.

6. *Parallel with French 5.*—Six semester-hour credits. *Tu., Th., Sat.*, at 6.00. Professor HENNING. (This course will be given only if elected by at least six students at the beginning of the year.)

7. *Conversation and Composition.*—Open to students who have passed in French 1 or 2, or have fulfilled the admission requirements in Elementary French, or otherwise satisfy the instructor of their fitness to take it. Four semester-hour credits. *Mon., Wed., Fri.*, at 5.10. Mr. TEILLARD. (This course will be given only if elected by at least twelve students at the beginning of the year.)

Second Section. For Undergraduates and Graduates.

(Courses in this group are open to students who have passed in Course 5 or 6, or otherwise satisfy the instructor of their fitness to take them.)

21. *Literature of the Seventeenth Century.*—History, philosophy, criticism, memoirs, letters, eloquence, drama, fiction, poetry, Balzac, Boileau, Corneille, Descartes, Fénelon, Mme de La Fayette, La Bruyère, La Fontaine, La Rochefoucauld, Malherbe, Molière, Racine, Saint-Evre-mond, Saint-Simon, Mme de Sévigné, etc. Translation, collateral reading and reports thereon, lectures on literature and history. Six semester-hour credits. *Mon., Wed., Fri.*, at 5.10. Professor HENNING. Not given in 1920-21.

26. *Literature from 1750 to 1850; The Romantic Movement.*—History, criticism, travels, fiction, drama, lyric poetry. Rousseau, Bernardin de Saint-Pierre, Chénier, Balzac, Baudelaire, Chateaubriand, Gautier, Hugo, Lamartine, Michelet, Musset, Sainte-Beuve, George Sand, Mme de Staël, Thierry, Vigny, etc. Translation, collateral reading and reports thereon, lectures on literature and history. Six semester-hour credits. *Mon., Wed., Fri.*, at 5.10. Professor HENNING. Not given in 1920-21.

28. *Literature from 1850 to the present.*—History, philosophy, criticism, fiction, drama, lyric poetry. Augier, Brunetière, Daudet, Dumas fils, Flaubert, France, Heredia, Hervieu, Leconte de Lisle, Lemaître, Loti, Maeterlinck, Maupassant, Mérimée, Renan, Rostand, Sully Prudhomme, Taine, Verlaine, etc. Six semester-hour credits. *Mon., Wed., Fri.*, at 5.10. Professor HENNING. (Given in 1920-21.)

Third Section. Primarily for Graduates.

50. *Old French.*—Philology and Literature. *La Chanson de Roland* and Chrétien de Troyes. Phonology and morphology of Old French, with an outline of its development through Vulgar Latin. Survey of French Literature to the end of the 13th century. Some knowledge of Latin is essential. Six semester-hour credits. *Mon., Wed., Fri.*, at 5.10. Assistant Professor DOYLE. (Given in 1920-21.)

55. One course in the literature of the nineteenth century will be arranged for competent graduates. Six semester-hour credits. *Mon., Wed., Fri.*, at 5.10. Professor HENNING.

Spanish

First Section. Primarily for Undergraduates.

1. *First-Year Course.*—Hills and Ford's First Spanish Course. Grammar, written and oral composition, drill in pronunciation, translation of modern Spanish fiction, comedy and history. For beginners. Six semester-hour credits. Section A. *Mon., Wed., Fri.*, at 9.15. Mr. PATISON. Section B. *Mon., Wed., Fri.*, at 1.45. Mr. PROTZMAN.

2. *First-Year Course.*—Parallel with Course 1. Hills and Ford's First Spanish Course. For beginners. Six semester-hour credits. Section A. *Mon., Wed., Fri.*, at 5.10. Mr. PATISON. Section B. *Mon., Wed., Fri.*, at 6.00. Mr. PATISON. Section C. *Tu., Th., Sat.*, at 5.10. Mr. PATISON. Section D. *Tu., Th., Sat.*, at 6.00. Mr. PATISON.

3. *Second-Year Course.*—Review of grammar, composition, translation of modern Spanish prose and poetry, collateral reading. Open to students who have passed in Course 1 or 2, or have fulfilled the admission requirements in Elementary Spanish, or otherwise satisfy the instructor of their fitness to take the course. Six semester-hour credits. *Mon., Wed., Fri.*, at 10.15. Mr. PATISON.

4. *Second-Year Course.*—Parallel with Course 3. Six semester-hour credits. Section A. *Mon., Wed., Fri.*, at 6.00. Assistant Professor DOYLE. Section B. *Tu., Th., Sat.*, at 5.10. Assistant Professor DOYLE.

6. *General Survey of Modern Spanish Literature.*—Eighteenth and nineteenth centuries; contemporary writers. Translation of representative works of drama, fiction, poetry. Lectures on the history of Spanish Literature. Outside reading and reports. Composition. Open to students who have passed in Spanish 3 or 4 or have done equivalent work. *Tu., Th., Sat.*, at 6.00 Six semester-hour credits. Assistant Professor DOYLE.

7. *Conversation and Composition.*—Open to students who have passed in Spanish 1 or 2, or have fulfilled the admission requirements in Elementary Spanish, or otherwise satisfy the instructor of their fitness to take it. *Mon., Wed., Fri.*, at 6.00. Four semester-hour credits. Mr. SALDAÑA. (This course will be given only if elected by at least twelve students at the beginning of the year.)

8. *Spanish-American Prose.*—Study of some of the leading critics, essayists, and novelists: Rodó, Hostos, Blanco-Fombona, Blest Gana, etc. Lectures and collateral reading. Open to students who have had two years of college Spanish or who otherwise satisfy the instructor of their fitness. First half-year, *Mon., Fri.*, at 5.10. Two semester-hour credits. Mr. JONES. (Not given in 1920-21).

10. *Spanish-American Poetry.*—Intensive study of some of the leading poets: Olmedo, Bello, Heredia, Darío, Chocano, Valencia, Nervo, etc. Open to students who have had two years of college Spanish or who otherwise satisfy the instructor of their fitness. Second half-year. *Mon., Fri.*, at 5.10. Two semester-hour credits. Assistant Professor DOYLE. (Not given in 1920–21).

Second Section. For Undergraduates and Graduates

(Courses in this group are open to students who have passed in Course 6, or otherwise satisfy the instructor of their fitness to take them.)

22. *Spanish Literature of the Sixteenth and Seventeenth Centuries.*—The Golden Age. Cervantes, Calderón, Lope de Vega. The classic Spanish drama. Origins and rise of the novel. The ballad. Lyric poetry. References to the influence of Spanish literature upon French and English. Translation, reports on outside reading, lectures. A large amount of collateral reading will be required. *Mon., Wed., Fri.*, at 4.00. Six semester-hour credits. Assistant Professor DOYLE.

Portuguese

Primarily for Undergraduates

1. *First-Year Course.*—Portuguese as a Romance Language. Phonetics and drill in pronunciation, dictation, grammar, translation, composition and conversation. In the second semester the classes are mainly conducted in Portuguese. For beginners. *Mon., Wed., Fri.*, at 6.00. Six semester-hour credits. Professor COUTINHO.

2. *First-Year Course.*—General survey of the history of the Literature (Portugal and Brazil). No knowledge of Portuguese is necessary. *Th., Sat.*, 5.10. Four semester-hour credits. Professor COUTINHO.

4. *Second-Year Course.*—Advanced grammar, composition, reading and translation of modern prose and poetry (Portuguese and Brazilian authors of XVIII and XIX centuries). In the second semester Portuguese authors of XVI and XVII centuries. Classes will be conducted in Portuguese. *Mon., Wed., Fri.*, at 5.10. Six semester-hour credits. ProfessorCOUTINHO.

SEMITIC LANGUAGES AND LITERATURE

Second Section. For Graduates and Undergraduates

20. *Elementary Hebrew.*—Hebrew vocabulary and grammar; reading, translations of simple passages and briefer exercises. This course is open to beginners. Two hours a week. Four semester-hour credits.

22. *Advanced Hebrew.*—An intensive study of Hebrew grammar and its relation to Semitics in general. Comparative Semitic philology will be pursued. Translations of longer passages of prose and poetry. Readings and selections from the Old Testament and postbiblical literature. Two hours a week. Four semester-hour credits. Professor SCHAPIRO.

Third Section. Primarily for Graduates

50. Study of the history and development of Hebrew and cognate literatures. Certain epochs of Jewish History. A review of Modern Hebrew literature with particular emphasis on productions of the Haskala period. Special topics in addition to be selected by candidates. Six semester-hour. credits. Professor SCHAPIRO.

ZOOLOGY

First Section. Primarily for Undergraduates

1. *Systematic Zoology.*—Invertebrates. This includes lectures and laboratory work. The lectures cover all the branches of Invertebrates, and correlated with these lectures is the study and dissection of typical specimens in each group. This course is intended to familiarize the student with biological characters classificatory laws, and the general principles of evolution. Lecture, *Mon.*, at 5.10; laboratory, *Wed.*, *Fri.*, 5.10–6.50. Additional laboratory sections at hours to be announced. Six semester-hour credits. Professor Bartsch, Mr. Schmitt and Miss Macmillan.

2. *Systematic Zoology.*—Vertebrates. This includes lectures and laboratory work. The lectures will cover the various branches of Vertebrates, and correlated with these is the study and dissection of typical specimens of each group. Lecture, *Mon.*, at 6.00; laboratory *Wed.*, *Fri.*, 5.10–6.50. Additional laboratory sections at hours to be announced. Six semester-hour credits. Professor Bartsch, Mr. Schmitt, Mr. Wetmore and Miss Macmillan.

Second Section. For Undergraduates and Graduates

20. *Practical Zoology.*—A lecture course illustrated with lantern slides and demonstrations. In this course only beneficial and injurious animals of all classes will be considered, especial stress being laid upon the problems of preservation and extermination. The course aims to expound the economic side of zoology. Open to all students. One hour. Two semester hour credits. Professor Bartsch.

23. *Ornithology.*—A systematic course embracing lectures and laboratory work. The lectures are illustrated with lantern slides, showing the home life of birds. The laboratory work consists in classifying bird skins, of which the University possesses an excellent series. Special attention is directed to the study of the birds of the District of Columbia, and frequent field excursions are made to familiarize the student with the haunts and habits of these forms. Lecture, one hour; laboratory, one two-hour period. Four semester-hour credits. Professor Bartsch.

Laboratory courses in histology and physiology will be arranged for competent students.

Third Section. Primarily for Graduates

50. Courses may be arranged for competent graduates. Six semester-hour credits. Professor Bartsch.

STUDENTS REGISTERED IN THE DEPARTMENT OF ARTS AND SCIENCES, 1919-1920

Names of students who have withdrawn or graduated are indicated by stars; those who have entered since February 1920, by daggers.

In the enumeration of undergraduate students the column of figures indicates the number of semester-hours of work taken by the student prior to the beginning of the current academic year, 1919-20, and completed without conditions, or credited on advanced standing in candidacy for a degree. In Columbian College 120 credits are required for graduation; in Teachers College, 124; in the College of Engineering, 140.

SCHOOL OF GRADUATE STUDIES

IN ATTENDANCE.

*Anderson, Archibald L. (Va.).....East Falls Church, Va.
Ph. B., 1900; B. E., Union College
Beasley, Pauline (Missouri).....1812 N St. N. W.
A. B., 1918, Drury College
†Bourdeaux, Nellie G. (Miss.).....1908 Belmont Rd.
A. B., 1918, Mississippi Industrial Institute and College
Carnahan, Lina Wright (D. C.).....3606 13th St. N. W.
A. B., 1919, George Washington University
*Carpenter, Glenn Walter (Ia.).....806 E St. N. E.
B. S., 1914, State University of Iowa
*Clift, Linda Lee (D. C.).....4115 7th St. N. W.
A. B., 1910, George Washington University
Dee, Jessica (N. Y.).....1712 17th St. N. W.
A. B., 1916, Wellesley College
Eckman, James Roy (Pa.).....325 Maryland Ave. N. E.
A. B., 1910, West Virginia University; A. M., 1917, Harvard University
Evans, Earl Radford (Mass.).....1518 R St. N. W.
M. E., 1918, Cornell University
Fowler, Gladys (Mo.).....3351 18th St. N. W.
B. S., 1916, Kirksville State Normal
Fussell, Edna Evelyn (Fla.).....2510 M St. N. W..
A. B., 1911, Southern College, Florida
Goldsby, Robert Echols (Miss.).....431 6th St. S. W.
B. S., Mississippi College
Gustin, Robert Daniel (D. C.).....1802 G St. N. W.
Hall, Amy Rowena (W. Va.).....1732 P St. N. W.
B. S., 1913, West Virginia Wesleyan University
Hauke, Rilla May (D. C.).....605 Massachusetts Ave. N. E.
A. B., 1919, George Washington University
Hendricks, Marjory Everest (D. C.)...2540 14th St. N. W.
A. B., 1918, University of Wisconsin
Hodgkins, George Wilson (D. C.).....1830 T St. N. W.
A. B., 1915; A. M., 1916, George Washington University
*Jewell, Mary Tallulah (Ga.).....1414 K St. N. W.
A. B. 1917, Brenau College
Konno, Tosabro (Japan).....2218 18th St. N. W.
A. B., 1900, University of California; A. M., 1902. Columbia University

*Kotinsky, Jacob (D. C.).....1470 Chapin St.
B. S., 1898, Rutgers College
Kump, Maude (Mo.).....1812 N St. N. W.
A. B., 1918, Drury College
*Lambert, Nan Swain (N. C.).....915 Rhode Island Ave. N. W.
A. B., 1916, North Carolina College for Women
Lashlee, Mary Norma (Tenn.).....835 Whittier St. N. W.
B. S., 1917, Cumberland University
Linfield, Frederick Bertil (Mont.)....3240 Interior Bldg.
B. S., 1917, Montana State College
*Mills, Abbot Paige (Mass.).....1269 New Hampshire Ave.
A. B., 1911, Williams College; LL. B., 1914, Harvard University
†Murphy, Anna Louise (Md.).....5346 41st St. Chevy Chase
A. B., 1918, Goucher College
†Murray, Mary Frances (D. C.).....1317 Farragut St. N. W.
A. B., 1918, George Washington University
Oberhelman, George Otte (Ohio.).....1354 Monroe St. N. W.
A. B., 1910; A. M., 1912, Yale University
Phillips, Max (D. C.).....1827 7th St. N. W.
B. S., 1917; M. S., 1918, University of Wisconsin
†Saburi, Sadao (Japan).....1310 N St. N. W.
A. B., 1905, Imperial Japanese University
†Scofield, Helen Cole (Wis.).....3021 O St. N. W.
A. B., 1912, University of Wisconsin
Stevens, Lula Redwood (Miss.).....Govt. Hotels, G-H Bldg.
A. B., 1914, Mississippi Industrial Institute and College
Tobias, Abraham (Md.).....232 6th St. S. E.
B. S. in Eng., 1916, Johns Hopkins University
†White, Charlotte Lucy (N. Y.).....1385 Park Ave. N. W.
A. B., 1915, Vassar College; A. M., 1916, Radcliffe College
Wiesenberg, William Maurice (N. Y.).1479 Harvard St. N. W.
B. S., 1914, College of the City of New York; C. E., 1918, Polytechnic Institute of Brooklyn
*Worrell, Everil (D. C.).....1436 Meridian Place
A. B., 1915, George Washington University

MASTER OF ARTS.

Adkins, Hartwell Stansbury (Md.)....642 C St. N. E.
B. A., 1908, Washington and Lee University. *Topics:* Major, History; Minor, Political Science
*Asghar, Ali (Mirza Ali Asghar Khan z.K.)
(Persia).....1513 16th St.
A. B., 1901, Ecole des Sciences Politiques a Teheran. *Topics:* Major, Political Science; Minors, Economics; History
Barse, George Percy (D. C.).....1365 B St. S. E.
A. B., 1917, George Washington University; LL. B., 1908, LL. M., 1909, National University Law School. *Topics:* Major, History, Minors, Commerce, Political Science
Bennett, Ruth Hilton (D. C.).....3420 Mt. Pleasant St.
A. B., 1919, George Washington University. *Topics:* Major, Political Science; Minor, History
†*Bobbitt, Lingurn Burkhead (D. C.)...216 11th St. S. W.
A. B., 1911, Johns Hopkins University. *Topics:* Major, English; Minor, History
Brandes, Walter Christian (D. C.)....2032 16th St. N. W.
Ph. B., 1916, Yale University. *Topics:* Major, History; Minors, Political Science; English

BURKE, ELLEN TERESA (D. C.).....531 Jefferson St.
A. B., 1916, George Washington University. *Topics:* Major, English; Minors, Sociology, French

BUTTS, (MRS.) FRANCES MOON (Va.).....Business High School
A. B., 1919, George Washington University. *Topics:* Major, Education; Minors, Education, Commerce

CALLAHAN, DOLLY MARTHENA (Va.).....209 Duke St. Alexandria
A. B., 1919, George Washington University. *Topics:* Major, History, Minor, Political Science

CAMPBELL, JOHN ALVIN (D. C.).....4508 8th St. N. W.
B. L., 1904, Westminster College; Allegheny Theological Seminary. *Topics:* Major, English; Minors, History

CASTILLEJO, LINO JUAN (Philippine Islands).....146 House Office
A. B. and T. D., 1919, George Washington University. *Topics:* Major, Commerce; Minors, Commerce, Political Science

*CHANG, KIN-FANG (China).....2312 19th St. N. W.
A. B., 1913, St. John's University, Shanghai. *Topics:* Major, History; Minors, Economics, Commerce

*COLE, ELTA JEAN (Ia.).....1223 15th St. N. W.
B. S., 1915, New York State College for Teachers. *Topics:*

CONNER, LULU ELIZABETH (D. C.).....2506 K St. N. W.
A. B., 1908, George Washington University. *Topics:* Major, English; Minor, French

*COOK, PERSIS BELL (Kan.).....1669 Columbia Rd.
A. B., 1918, University of Kansas. *Topics:* Major, Economics; Minor, History

*COSTEN, ALTA (Md.).....East Falls Church, Va.
A. B., 1917, George Washington University. Major, History; Minors. Economics; History

†COUGHLIN, MILDRED MARGARET, (Kansas) 5347 41st St. Chevy Chase.
A. B., 1918, Washburn College. *Topics:* Major, English; Minors, Commerce, History

*CUMMINGS, GLADYS REX (Mass.).....Gov't. Hotels, G-H Bldg.
A. B., 1914, Syracuse University. *Topics:* Major, English; Minor, Education

†DANIEL, ROBERT CLINTON (Va.).....629 Y. M. C. A.
A. B., 1909, Virginia Christian College. *Topics:* Major, Economics; Minors, Commerce; Political Science

DOLLARHIDE, DANIEL AUGUSTUS (Ark.)...1736 G St. N. W.
A. B., 1916, Henderson-Brown College. *Topics:* Major, Commerce; Minors, Commerce, Political Science

ELDRIDGE, HARRIET DAYTON (D. C.).....
A. B., 1917, George Washington University. *Topics:* Major, English; Minors, English, Education

*ELY, CLARA HARRISON STRANAHAN (N. J.)
.....927 Farragut Square
A. B., 1911, University of Michigan. *Topics:* Major, History; Minors, Commerce

†ERLANDSON, RAY SANFORD (Wis.).....1304 Euclid St. N. W.
A. B., 1918, University of Wisconsin. *Topics:* Major, Education; Minors, Economics

†FERGUSON, ELIZABETH GRIEVE (Ga.)....1935 Park Rd. N. W.
A. B., 1919, Randolph-Macon Women's College. *Topics:* Major, English; Minors, Sociology, History

Galeski, Alexandra L. (D. C.).....The Mendota Apt. 76
A. B., 1918, George Washington University. *Topics:* Major, English; Art, History

Geare, (Mrs.) Dorothy Smallwood (D. C.).....2400 16th St. N. W.
A. B., 1912, George Washington University. *Topics:* Major, English; Minors, Philosophy, Education

Glaser, Freda Elizabeth (Wis.).....1447 Clifton St. N. W.
A. B., 1917, Lawrence College. *Topics:* Major, English; Minors, Sociology, Art

Gsantner, Otto Carl (D. C.).....2811 24th St. N. E.
A. B., 1915, George Washington University. *Topics:* Major, English; Minors, Education, English. Degree conferred, February 23, 1920.

Hanford, Florence Lillian (Conn.)....2233 Q St. N. W.
A. B., 1915, Smith College. *Topics:* Major, English; Minors, French, Political Science

*Haslup, Alice Elma (D. C.).....2114 18th St. N. W.
A. B., 1912, George Washington University. *Topics:* Major, Education; Minors, English, Spanish

Haywood, William Franklin (Texas)...413 9th St. S. E.
A. B., 1917, Howard Payne College. *Topics:* Major, History; Minors, Economics, Education

Hester, (Mrs.) Laura Pywell (Va.).. 1205 15th St. N. W.
A. B., 1919, George Washington University. *Topics:* Major, English; Minors, Psychology

†Hewett, Charles Madison (Ia.).....3226 Park Place N. E.
A. B., 1917, Upper Iowa University. *Topics:* Major, English; Minors, Education, Economics

†Hill, Edith Esther (Ind.).....10 Florida Ave.
A. B., 1916, Indiana University. *Topics:* Major, Mathematics

Hollis, Faye Pearl (Kan.).....1304 Shepherd St., N. W.
A. B., 1916, Baker University. *Topics:* Major, Economics

Holmes, Harry Clyde (Kan.).....116 6th St. N. E.
LL. B., 1916, Georgetown University. *Topics:* Major, Commerce; Minors, Economics, Political Science

Honeycutt, William Elisha (N. C.)....112 3d St. N. E.
A. B., 1919, Wake Forest College. *Topics:* Major, Sociology; Minors, Law, Political Science

Hooker, Mercy Beardsley (Ill.).....1833 S St. N. W.
A. B., 1913, Oberlin College. *Topics:* Major, Political Science

Hoskins, (Miss) Frank Byrne (Tenn.)..4623 Georgia Ave, N. W.
A. B., 1915, Tennessee College. *Topics:* Major, History; Minors, English, Latin

*Kern, Atta Brooks (Ohio).....714 18th St. N. W.
A. B., 1918, Ohio University. *Topics:* Major, German; Minors, English

Kettlesen, Pauline (Ia.).....1830 Park Rd. N. W.
A. B., 1918, Cornell College. *Topics:* Major, Commerce; Minors, Economics

*Knowles, Margaret Morton (Va.) East Falls Church, Va.
A. B., 1916, George Washington University. *Topics:* Major, English; Minors, History, English

Lee, Mary Elizabeth (Ark.).....2025 North Capitol St.
A. B., 1901, Ouachita College. *Topics:* Major, English; Minors, History

†Lenski, Gerhard Emmanuel (Ohio)....1511 Columbia St. N. W.
A. B., 1910, Capital University (O). *Topics:* Major, Philosophy; Minors, History, Education

LINDSEY, MERRITT EUGENE (N. Y.).....4013 14th St. N. W.
Diploma, 1901, University of New York; B. Ped., 1902; B. S., 1904., Ohio Northern University. *Topics:* Major, Economics; Minors, History, Political Science

LLOYD, LEONILA MARIE (D. C.).....54 Manor House
A. B., February 22, 1919, George Washington University. *Topics:* Major, Economics; Minors, History Political Science

LOCKMAN, MABEL (Pa.).....1120 Rhode Island Ave. N. W.
A. B., 1917, Wilson College. *Topics:* Major, History; Minors, Sociology

LOYALL, JENNIE (Ga.).....1760 Euclid St. N. W.
A. B., 1912, Wesleyan College, Ga. *Topics:* Major, Education; Minors, Philosophy, History

MACE, BRICE MARTIN, JR. (D. C.).....1907 G St. N. W.
A. B., 1908, Cumberland University. *Topics:* Major, Commerce; Minors, Economics, History

*MCNEAL, OTTIE (Mo.).....1409 15th St. N. W.
A. B., 1913, University of Kansas. *Topics:* Major, English

MENG, HSIEN-CHENG (China).....2312 19th St. N. W.
A. B., 1916, St. John's University, Shanghai *Topics:* Major, Education; Minors, Philosophy, Education.

MOORE, HARRY HASCALL (D. C.).....1659 Newton St. N. W.
A. B., 1917, Reed College. *Topics:* Major, Education, Minors, Education, Sociology

MORAN, CATHARINE REGIS (D. C.).....1727 Columbia Rd.
A. B., 1919, George Washington University. *Topics:* Major, English; Minors, French, Philosophy

NEVINS, RUBY (D. C.).....1421 Columbia Rd. N. W.
A. B., 1917, George Washington University. *Topics:* Major, English; Minors, English, History

†NORTON, FREDERICK ALOYSIUS (Mass.)..59 Bryant St. N. W.
B. S., 1919, as of 1918, Harvard University. *Topics:* Major, Chemistry; Minors, Economics, Preventive Medicine

*OTTERBACK, PHILIP GRAHAM (D. C.).....3529 13th St. N. W.
B. S., 1918, Colgate University. *Topics:* Major, Economics; Minors, Commerce

†PARGOT, ISIDOR (N. Y.).....1012 C St. S. W.
A. B., 1919, New York State College for Teachers. *Topics:* Major, English; Minors, Philosophy

*PARSONS, BERITH (D. C.).....125 Willow Ave. N. W.
A. B., 1918, George Washington University. *Topics:* Major, English; Minors, History

*PHOEBUS, MILDRED ANNA (D. C.).....1925 North Capitol St.
A. B., 1916, George Washington University. *Topics:* Major, Commerce

†PREINKERT, ALMA HENRIETTA (D. C.)...1511 L St. N. W.
A.B., 1916, George Washington University. *Topics:* Major, English; Minors, History

REEVE, FELICIA ANN (D. C.).....1626 19th St. N. W.
A. B., 1917, George Washington University. *Topics:* Major, French; Minors, French, Spanish

RISTER, CARL COKE (Tex.).....1602 Brentwood Rd.
A. B., 1915, Simmons College, Texas. *Topics:* Major, History; Minors, Economics, Commerce

ROSE, HELEN MARIE CECILIA (Ill.).....1320 U St. N. W.
Ph. B., 1919, University of Chicago. *Topics:* Major, Mathematics, Minors, English, Education

*Rosenstein, David (N. Y.).....1860 Park Rd.
B. S., 1916, College of the City of New York. *Topics:* Major, Sociology; Minors, Economics, Philosophy

Schoenfeld, Margaret Hertha (D. C.).3448 34th Place
A. B., 1918, George Washington University. *Topics:* Major, Economics; Minors, Economics, Political Science. (Degree of A. M. conferred, February 23, 1920).

Scott, Dorothy Berkshire (D. C.).....16 Fifth St. S. E.
A. B., 1915, University of Omaha. *Topics:* Major, Chemistry; Minors, Chemistry, Bacteriology

Sharp, Ivor (Utah).....71 Cumberland Apts.
B. S., 1917, Utah Agricultural College. *Topics:* Major, Commerce; Minors, Political Science, English

Simpson, Mary Kirk (D. C.).....3404 Prospect Ave. N. W.
A. B., Grove City (Pa.) College. *Topics:* Major, Ethnology, Minors, Ethnology, French and Spanish

Smith, Katherine Amanda (Fla.).....Govt. Hotels, E-F Bldg.
B. S., 1916, Florida State College for Women. *Topics:* Major, English

Soule, Lieut. Edgar Clarke (Texas)....1832 Biltmore St.
A. B., 1919, University of Texas. *Topics:* Major, Commerce; Minors, Political Science, Commerce

Steger, Mary Evelyn (D. C.).....1906 Florida Ave.
A. B., February 22, 1918, George Washington University. *Topics:* Major, English; Minors, Education, Archaeology

*Story, Sandy Stuart (Tenn.).....824 5th St. N. E.
A. B., 1914, Carson & Newman College. *Topics:* Major, Philosophy; Minors, English

Strayer, (Mrs.) Jeannette Blaney
(N. Y.).....Portner Apts.
A. B., 1919, George Washington University. *Topics:* Major, History; Minors, Political Science, Philosophy

Sullivan, Mary Ruth (Va.).....127 3d St. N. E.
A. B., 1913, Fredericksburg College. *Topics:* Major, Philsosophy; Minors, Latin, Philosophy

Summy, Ethel Isabelle (D. C.).....1724 Kilbourne Place
A. B., 1918, George Washington University. *Topics:* Major, Education; Minors, Education, English

Teague, Eudora Ethel (Tex.).....1715 14th St. N. W.
A. B., 1918, Southern Methodist University. *Topics:* Major, English; Minors, Economics, Archaeology

Thomas, Lisle (Mich.).....1416 R St. N. W.
A. B., 1917, George Washington University. *Topics:* Major, Commerce; Minors, Law

Warner, Harold Ellsworth (D. C.)....914 Massachusetts Ave. N. W.
A. B., 1913, George Washington University. *Topics:* Major, Education; Minors, Economics

Weber, (Mrs.) Angelia Washburn
(Colo.).....Carr, Colo.
A. B., 1912, Colorado State Teachers College. *Topics:* Major, Education; Minors, English, Education

Wells, Jessie Lander (Tenn.).....107 Rhode Island Ave. N. W.
A. B., 1911, University of Colorado. *Topics:* Major, Philosophy; Minors, Sociology, English

Welty, Raymond Leo (Kan.).....1008 22d St. N. W.
B. S. in Education, 1918, Kansas Fort Hayes Normal School. *Topics:* Major, History, Minors, Political Science, Commerce

WESTCOTT, LYDIA ELIZABETH (Ky.).....1433 L St. N. W.
A. B., 1914, State University of Kentucky. *Topics:* Major, English
WILLIAMS, MARY FELICIA (Fla.).....1824 G St. N. W.
A. B., 1914, Florida State College for Women. *Topics:* Major, English; Minors, English, Education
WILLIS, (MRS.) LOIS EMMA PEIRCE (D. C.).....229 Pa. Ave. S. E.
A. B., 1917, George Washington University. *Topics:* Major, Education; Minors, Philosophy
WRIGHT, GRACE VIOLA (D. C.).....The Montgomery
A. B., 1919, George Washington University. *Topics:* Major, Psychology; Minors, Philosophy, Sociology
YANG, YUNG-CHING (China).....Chinese Legation
A. B., 1910, Soochow University. *Topics:* Major, Political Science; Minors, Political Science, History. (Degree of A. M. conferred, February 23, 1920
YEATON, ERNEST E. (Me.).....909 13th St. N. W.
Ph. B., 1914, Brown University. *Topics:* Major, Political Science, Minors, Economics
YEN, EN TSUNG (China).....2015 19th St. N. W.
A. B., 1918, Shanghai Baptist College. *Topics:* Major, Political Science; Minors, History, Philosophy
YOUNG, (MRS.) AUGUSTA FREEMAN (N. D.).....1830 16th St. N. W.
A. B., October, 1918, George Washington University. *Topics:* Major, English; Minors, History, Art

MASTER OF SCIENCE.

BASS, NATHAN WOOD (Kan.).....706 20th St. N. W.
B. S., 1917, Kansas Agricultural College. *Topics:* Major, Geology; Minors, Geology Zoology
*BISCHOFF, HENRY WILLIAM (N. Y.).....2926 Upton St.
E. E., 1916, Columbia University. *Topics:* Major, Electrical Engineering; Minors, Physics, Chemistry
BOONE, PEARL VIRGINIA LEE (D. C.).....U. S. National Museum
A. B., 1919, George Washington University. *Topics:* Major, Zoology; Minors, Geology
†BROWN, JOHN STAFFORD (Mo.).....1909 G St. N. W.
B. S., 1917, Missouri School of Mines. *Topics:* Major, Geology
BUCHANAN, RUTH (Pa.).....1822 I St.
B. S., 1919, University of Pittsburgh. *Topics:* Major, Chemistry; Minors, Bacteriology, Preventive Medicine
BURRITT, LOREN (D. C.).....1855 Calvert St.
B. S., 1917, Maryland State College. *Topics:* Major, Chemistry; Minors, Bacteriology, Chemistry
CORBITT, HUGH BLAKE (Wash.).....Hygienic Laboratory
B. S., 1913, University of Washington. *Topics:* Major, Chemistry; Minors, Chemistry
CORLEY, WILLIAM ANGUS, LIEUT.-COMDR., U. S. N.....507 Florence Court
Grad., U. S. Naval Academy, 1912. *Topics:* Major, Chemistry; Minors, Chemistry
CULLEN, ELIZABETH ORLAN (D. C.).....307 B St. N. E.
A. B., 1918, George Washington University. *Topics:* Major, Geology
DAUBNEY, ROBERT (England).....1807 California St.
M. R. C. V. S., 1913, Royal College of Veterinary Surgeons. *Topics:* Major, Zoology; Minors, Zoology, Pathology

Evans, Morgan William (O.).....North Ridgeville, O.
B. S. A., 1906, Cornell University. *Topics:* Major, Botany, Minors, Zoology, Chemistry

Fischer, Herman Edward, Lieut.-Comdr., U. S. N.....1830 16th St.
Grad., U. S. Naval Academy. *Topics:* Major, Chemistry; Minors, Chemistry

Foster, Margaret Dorothy (D. C.)....2112 F St. N. W.
A. B., 1918, Illinois College. *Topics:* Major, Chemistry

Gersdorff, Wilbur August (D. C.).....1825 North Capitol St.
B. S. in Chemistry, George Washington University. *Topics:* Major, Chemistry; Minors, Geology, Ethnology

*Gullickson, Thor William (D. C.).....114 Park Ave. Takoma Pk., D.C.
B. S., 1918, University of Minnesota. *Topics:* Major, Economics

Hamilton, Bonifant (D. C.).....3135 24th St. N. E.
B. S., 1918, George Washington University. *Topics:* Major, Chemistry; Minors, Chemistry, Bacteriology

Hayes, Murray Oswald (D. C.).....719 A St. N. E.
A. B., 1914, Brigham Young University. *Topics:* Major, Geology; Minors, Geology, Education

*Hemmings, Harry Howard (N. Y.).....611 Y. M. C. A.
C. E., 1917, Cornell University. *Topics:* Major, Applied Mathematics; Minors, Mathematics, Physics

Johnson, Otto Theophilus (Vt.).....3545 13th St. N. W.
B. S. in E. E., 1914, University of Vermont. *Topics:* Major, Physics and Electrical Engineering; Minors, Philosophy

Lewis, Ollie Lee (Ky.).....U. S. Weather Bureau
A. B., 1917, George Washington University. *Topics:* Major, Physics; Minor, Applied Mathematics

Meisinger, Clarence Le Roy (Neb.)....3331 Stephenson Place
Chevy Chase, D. C.
B. S., 1917, University of Nebraska. *Topics:* Major, Meteorology; Minors, Meteorology, Astro-Physics

Merritt, George Ernest (D. C.).....3631 35th St. N. W.
A. B., 1913, Pomona College. *Topics:* Major, Physics; Minors, Mathematics

Min, Hsiao Wei (China).....Chinese Legation
B. S., 1916 Peiyang Government University. *Topics:* Major, Mechanical Engineering; Minors, Geology, Geology. (Degree of M. S. conferred, February 23, 1920).

Moulton, Stanley Cheney (Va.).....348 Bureau of Plant Industry
B. S., 1918, University of Virginia. *Topics:* Major, Chemistry; Minors, Chemistry, Mathematics

Paley, Lewis Adolphus (Ia.).....259 W. 112th St. N. Y. City
B. S. in Chemistry, 1917, George Washington University. *Topics:* Chemistry; Minors, Chemistry, Engineering

*Pettyjohn, Otho Albert (Okla.).....622 Eye St. N. W.
A. B., 1917, Oklahoma University. *Topics:* Major, Chemistry; Minors, Chemistry, Preventive Medicine

Phillips, George Washington (D. C.)..612 18th St.
B. S. in Chemistry, February 22, 1917; George Washington University. *Topics:* Major, Chemistry; Minors, Chemistry, Physics

*Schunk, Oliver Henry (Wis.).....2926 Newark St.
B. S., 1917, University of Wisconsin. *Topics:* Major, Chemistry

†Smith, Benjamin Harrison (Ind.).....1819 G St. N. W. Apt. 606
A. B., 1917, Wabash College. *Topics:* Major, Botany; Minors, Zoology, Economics

STEEVER, LAURA WINFIELD (D. C.).....2106 F St. N. W.
B. S., 1911, George Washington University. *Topics:* Major, Preventive Medicine; Minors, Education, Sociology

*STINE, RALPH EDWARD (Pa.).....1849 Ontario Pl. N. W.
A. B., 1919, Pennsylvania College. *Topics:* Major, Chemistry; Minors, Physics, Mathematics

WEEKS, DOROTHY WALCOTT (D. C.).....3461 Lowell St.
A. B., 1916, Wellesley College. *Topics:* Major, Electrical Engineering; Minors, Physics

WHITSON, ALICE IVA (N. C.).....1209 Otis Place N. W.
B. S., 1912 North Carolina State College for Women. *Topics:* Major, Bacteriology; Minors, Chemistry

WILLIS, WARREN JENNISON (Minn.).....Hydrographic Office
Grad., 1912, U. S. Naval Academy; A. B., February 22, 1918; A. M., 1919, George Washington University. *Topics:* Major, Electrical Engineering; Minors, Chemistry

WRIGHT, CARLETON HERBERT, LIEUT.-COMDR., U. S. N. .....1436 R St. Apt. 32
Grad., 1912, U. S. Naval Academy. *Topics:* Chemistry; Minors, Chemistry

YOUNG, JAMES LAWRENCE (D. C.).....
B. S. In Chemistry, 1917, George Washington University. *Topics:* Major, Chemistry; Minors, Chemistry, Physics

CIVIL ENGINEER.

ASMUS, LEWIS DURAND (N. J.).....310 11th St. N. E.
B. S. in C. E., 1918, Drexel Institute. *Topics:* Major, Civil Engineering; Minors, Geology, Mechanical Geology

DAVIS, WATSON (D. C.).....1418 Rhode Island Ave. N. W.
B. S., 1918, George Washington University. *Topics:* Major, Civil Engineering; Minors, Geology, Economics

*HOWELL, BEAUDRIC LA FITTE (Va.).....818 Union Trust Bldg.
C. E., 1910, University of Virginia. *Topics:* Major, Sanitary Engineering

KESSLER, DANIEL WILLIAM (D. C.).....221 Prospect Place
B. S. In C. E., 1908, University of Missouri. *Topics:* Major, Civil Engineering; Minors, Geology, Mineralogy

MECHANICAL ENGINEER.

HEALD, ROY HAINES (D. C.).....5823 Colorado Ave. N. W.
B. S. in M. E., 1919, George Washington University. *Topics:* Major, Mechanical Engineering; Minor, Commerce

DOCTOR OF PHILOSOPHY.

ANDERSON, MYRON SALLEE (D. C.).....1440 W St. N. W.
A. B., 1913, Simpson College; M. S., 1916, Iowa State College. *Topics:* Major, Chemistry; Minors, Geology, Chemistry

BENNETT, RALPH CULVER (N. Y.).....New Willard Hotel
A. B., 1906; A. M. and LL. B., 1909; D. C. L., 1912, Yale University. *Topics:* Major, Political Science; Minors, Law, History

*BEVARD, KATHERINE HARPER (Pa.).....1423 R St. N. W.
A. B., 1911; A. M., 1913, George Washington University. *Topics:* Major, Education; Minors, Education, English

CAMERON, JOHN JOSEPH (Conn.).....2715 P St. N. W.
A. B., 1915, Yale University. *Topics:* Major, Political Science; Minors, Economics

CAVINESS, LEON LESLIE (Md.).....721 Carroll Ave. Tak. Pk., Md.
A. B., 1906 University of Michigan; A. M., 1913, University of Nebraska. *Topics:* Major, Semitics; Minor, Education

CHAPIN, EDWARD ALBERT (Mass.).....1358 B St. S. W.
Ph. B., 1916; Yale University; M. S., 1917, Massachusetts Agricultural College. *Topics:* Zoology; Minors, Zoology, Geology

CHU, KING (China).....2108 H St. N. W.
A. B., February 22, 1919; A. M., 1919; George Washington University. *Topics:* Major, Political Science; Minors, Education, Political Science

DONK, PETER JOHN (D. C.).....1706 F St. N. W.
B. S. in Chemistry, 1917, George Washington University. *Topics:* Major, Bacteriology; Minors, Bacteriology, Chemistry

ELVOVE, ELIAS (D. C.).....1228 H St. N. E.
B. S., 1903; M. S., 1904, University of Kentucky; Phar. D., 1910, George Washington University. *Topics:* Major, Chemistry; Minors, Pharmacology, Physiology. (Degree of Ph. D. conferred February 23, 1920.)

FAY, DUDLEY WARD (N. Y.).....Hotel Arlington
A. B., 1907, Williams College. *Topics:* Major, Psychology; Minors, Psychiatry, Neuro-Pathology

GARBER, JOHN ABSALOM (Va.).....204 4th St. S. E.
A. B., 1891, Bridgewater College; A. M., 1915, George Washington University. *Topics:* Major, Education; Minors, Sociology, Philosophy

GARBY, CARL D. (Idaho).....Bureau of Chemistry
B. S. in Chemical Engineering, 1914, University of Idaho. *Topics:* Major, Chemistry; Minors, Physics, Geology

GIDLEY, JAMES WILLIAMS (D. C.).....1339 Meridian Place
B. S., 1888; M. S., 1890, Princeton University. *Topics:* Major, Paleontology; Minors, Economic Geology, Zoology

GRANT, DUDLEY HOPKINS (O.).....Bureau of Chemistry
B. S., 1914, University of Chicago; M. S., 1917, George Washington University. *Topics:* Major, Chemistry; Minors, Preventive Medicine Geology

HENRY, JERRY MAURICE (Va.).....337 North Carolina Ave. S. E.
A. B., 1909, Bridgewater College; A. M., February 22, 1919, George Washington University. *Topics:* Major, Education; Minors, Economics, History

HOBBS, EWART WILLIAM (D. C.).....2111 18th St.
LL. M., 1910, National University Law School; A. B., 1916, A. M., 1917, George Washington University. *Topics:* Major, Philosophy, Minors, Philosophy, English

*JOHN, OTTO MARION (Ill.).....719 Carroll Ave. Tak. Pk. D. C.
A. B., 1908, Union College; M. S., 1917, George Washington University. *Topics:* Major, Chemistry, Minors, Zoology, Bacteriology..

KAYSER, ELMER LOUIS (D. C.).....3129 O St. N. W.
A. B., 1917; A. M., 1918, George Washington University. *Topics:* Major, History; Minor, Political Science

*KITTICH, ZHIVOÏN (Serbia).....1322 L St. N. W.
LL. B., National University Law School. *Topics:* Major, Economics; Minors, Law, Philosophy

LENNON, MARQUIS LAFAYETTE (Tenn.)...1229 6th St. N. W.
A. B., 1912, Union University; M. A., 1919, George Washington University. *Topics:* Major, Education; Minors, Political Science; Sociology

McArthur, Louis Eugene (Utah).....2112 F St. N. W.
B. Ped., 1897, Brigham Young University; A. B., 1916; A. M., 1917, George Washington University. *Topics:* Major, Political Science; Minors, History, Economics

Magnuson, Harry Peter (Neb.).....1518 R St. N. W.
B. S. in Agriculture, 1916, University of Nebraska. *Topics:* Major, Chemistry; Minors, Chemistry, Botany

Moore, Frank Deane (D. C.).....1324 Euclid St.
A. B., 1918; A. M., October, 1919, George Washington University. *Topics:* Major, Geology; Minors, Chemistry, Ethnology

Morehouse, Alanson David (D. C.)....1526 O St. N. W.
M. E., 1893, Cornell University. *Topics:* Major, Hydraulic Engineering; Minors, Economics, Meteorology

Muerman, John Charles (D. C.).....1701 Park Rd.
A. M., 1916, George Washington University. *Topics:* Major, Education; Minors, Education, Sociology

Pierce, Roy Clifford (Neb.).....6813 5th St. Tak. Pk. D. C.
A. B., 1907; B. S., 1907, University of Nebraska, M. S., 1908, University of Michigan. *Topics:* Major, Botany; Minors, Botany, Zoology

Raine, Wendell Phillips (D. C.).....1731 S St. N. W.
B. S. in E., 1907; M. A., 1911, University of Pennsylvania. *Topics:* Major, Commerce; Minors, Political Science, Sociology

Roe, Joseph Hyram (Va.).....2823 14th St. N. W.
A. B., 1916, Roanoke College; A. M., 1917, Princeton University. *Topics:* Chemistry

Safford, William Edwin (D. C.).....3339 Mt. Pleasant St.
Grad., 1880, U. S. Naval Academy. *Topics:* Major, Botany; Minors, Anthropology, Zoology

Salisbury, Elon Galusha (D. C.).....127 Carroll St. Tak. Pk. D. C.
B. S., 1911, Union College; A. M., 1917, George Washington University. *Topics:* Major, Education; Minors, Philosophy, Sociology

†Saunders, Eleanora Bennette (S. C.) . St. Elizabeth's Hospital
B. S., 1901, Chicora College; M. D., 1907, Medical College of South Carolina. *Topics:* Major, Psychology (Abnormal); Minors, Psychology, Psychiatry

Schmitt, Waldo Lasalle (D. C.).....2233 18th St. N. W.
B. S., 1913, George Washington University; A. M., 1916, University of California. *Topics:* Major, Zoology; Minors, Zoology, Paleontology

Schwartz, Benjamin (D. C.).....1440 Meridian Place N. W.
A. B., 1911, College of the City of New York; A. M., 1913, Columbia University. *Topics:* Major, Zoology; Minors, Bacteriology

Shinn, Erwin Henry (Ark.).....1735 F St. N. W.
A. B., 1910, Arkansas University; B. S., 1916, Oklahoma Agricultural and Mechanical College; A. M., 1919, George Washington University. *Topics:* Major, Education; Minors, Agricultural Education, Sociology

Snyder, Thomas Elliott (D. C.).....1430 V St. N. W.
A. B., 1907, Columbia University; M. F., 1909, Yale University. *Topics:* Major, Zoology; Minors, Zoology, Paleontology. (Degree of Ph. D. conferred, February 23, 1920.)

Warshow, Herman (N. Y.).....1210 Euclid St. N. W.
A. B., 1916; A. M., 1917, Cornell University. *Topics:* Major, Economics; Minors, Sociology, Commerce

Wetmore, Alexander Frank (D. C.) . . . . 1912 Hamlin St. N. E.
A. B., 1912, University of Kansas; M. S., 1916, George Washington University. *Topics:* Major, Zoology; Minors, Zoology, Paleontology. (Degree of Ph. D. conferred February 23, 1920.)

Wilkinson, Oscar (Miss.) . . . . . 1408 L St. N. W.
Ph. B., University of Mississippi; M. A., Columbia University; M. D., Tulane University. *Topics:* Ophthalmology

COLUMBIAN COLLEGE

CANDIDATES FOR THE DEGREE OF BACHELOR OF ARTS

Abell, Emma B. (0)	Pa.	1363 Park Road
Adams, James Marril Ryland (113)	D. C.	905 8th St.
Adams, Leslie Harold (78)	D. C.	1637 Harvard Terrace
Aiken, Carolyn Bacome (30)	Tenn.	1845 North Capitol St.
Aiken, Sam Bacome (25)	Tenn.	1845 North Capitol St.
Alexander, Mabel C. (10)	Wash.	2106 F St.
Allen, Ruth Frances (86)	D. C.	1460 Monroe St.
Allen, Walter Rudolph (12)	N. Y.	927 E St. N. E.
Alseen, Myrtle F. C. (45)	Minn.	1465 Meridian Place
Aman, John Andrew (101)	Md.	Mt. Rainier, Md.
Amundson, Charles E. (0)	Minn.	1225 L St.
Anderson, Edith A. (12)	Ill.	1305 Conn. Ave.
Anderson, Nell Trabue (0)	D. C.	1536 16th St.
Anderson, Robert Nelson (63)	Va.	60 Randolph Place
Anderson, Ruth Virginia (12)	D. C.	60 Randolph Place
Anderson, Walter Irwin (0)	Pa.	Cherrydale, Va.
Andrews, Alice (6)	Ohio	625 G St. S. W.
Arnold, Rosemary (40)	D. C.	24 Second St. N. E.
Ashford, Alice May (0)	N. Y.	924 C St. N. E.
Aten, Ralph Pressley (0)	D. C.	1432 Meridian St.
*Aultman, Edith H. (24)	D. C.	The Northumberland
Austin, Violet K. (0)	Md.	122 Willow Ave. Takoma Park, Md.
Ayres, Kathryn Elizabeth (30)	D. C.	The Portner
Ayres, Margaret Eleanor (30)	D. C.	The Portner
Baer, John L. (93)	Pa.	The Maury
*Baines, Thelma A. (0)	D. C.	156 R St. N. E.
*Baker, Susie Vaughan (12)	Va.	49 Bryant St.
Baldwin, Alice (0)	D. C.	1804 Kilbourne Pl.
Ball, Charles Olin (100)	Kansas	1739 H St.
*Ballard, Eula May (0)	Texas	712 F St.
Ballinger, William McCormick (72)	D. C.	1489 Newton St.
†Barksdale, Alice Ashton (0)	D. C.	1752 Euclid St.
Barlow, Ruth Geraldine (0)	D. C.	1434 Q St.
Barrow, Mary Gladys (0)	D. C.	1013½ I St. N. E.
Bartlett, Barbara Elizabeth (6)	D. C.	1929 Lawrence St.
Basseches, Jacob Thomas (91)	N. Y.	1814 Riggs Pl.
Bauer, Emma Barbour (2)	Pa.	1235 Girard St.
Beckett, Edgar Wells (21)	D. C.	710 Quincy St.
Beech, Rozier James (0)	D. C.	1662 Park Road

Behrend, Henrietta (42)	D. C.	Route A, Box 163, Anacostia Station
Belcher, Joseph Warren (0)	D. C.	178 U St. N.E.
†Bender, Leo (0)	Md.	Silver Spring, Md.
Benfer, Mary Celia (0)	D. C.	3009 17th St. N. E.
Bennett, Ava L. (32)	Ohio	U. S. Nat. Museum
Bennett, Florence Mabelle (0)	D. C.	4411 Iowa Ave.
Bennetts, Ella Mildred (87)	Wis.	1941 First St.
Bentley, Helen E. (0)	N. Y.	I-K Bldg. Govt. Hotels
Berliner, Alice Elizabeth (12)	D. C.	1458 Columbia Road
Berman, Louis H. (0)	D. C.	813 4½ St.
Bernstein, Samuel (0)	D. C.	601 Second St. S. W.
Berryman, Florence Seville (24)	D. C.	1754 Euclid St.
*Beular, Melbourne Earnest (5)	Texas	1333 15th St.
Blake, Nelson Morehouse (0)	Md.	Hyattsville, Md.
Blanton, Thomas Lindsay, Jr (0)	Texas	223 East Capitol St.
Bleiker, Ross Franklin (40)	Mo.	2123 F. Street
Boardman, Leona (0)	Ohio	1220 North Carolina Ave.
*Bockovac, Joseph Lorenz (0)	Md.	653 Pa. Ave. S. E.
Bohne, Emil F. (0)	Ind.	914 22nd St.
Bond, Samuel Hazen (0)	D. C.	4525 Klingle St.
Bonebrake, Helen L. (6)	D. C.	5210 Illinois Ave.
*Bostwick, Elmer Patton (92)	Ohio	1803 G St.
*Boswell, Margaret Brainerd M.	D. C.	238 New Jersey Ave.
*Boucher, Hiram A. (0)	Minn.	House Office Bldg.
Boucher, Pauline E. (14)	D. C.	515 E. Wardman Courts
Bowen, George Loveridge (24)	Kans.	1829 19th St.
Bowen, Mary Elizabeth (0)	D. C.	1654 Hobart St.
Box, Mary M. (34)	Texas	3737 Kanawha St. Chevy Chase, D. C.
Boyd, Sue Hunt (103)	N. C.	2006 G St.
*Boyd, Vernon Jerome Ford (0)	N. Dak.	612½ 22d St.
*Boynton, Marcia (6)	Ohio	328 13th St. N. E.
Bradley, Mary M. (70)	Ga.	2311 Ontario Road
Brannen, Florence (0)	Ga.	1337 Park Road
Brasell, Mary Louise (73)	Miss.	1834 K St.
Brazerol, Katherine Beatrice (15)	D. C.	1233 11th St.
Breuninger, Miriam Robin (30)	D. C.	5700 16th St.
Brewer, Margaret Grant (0)	Md.	College Park, Md.
Bridges, Ildria (31)	Ill.	1328 South Carolina Ave.
Broaddus, Ettienette H. (0)	Va.	Arlington, Va.
Bromberg, John Louis (17)	Ala.	Senate Office Bldg.
*Brown, Desire (30)	Tenn.	1307 P St
Brown, Earl (0)	D. C.	2033 F St.
Brown, Erma (57)	Mo.	Cavendish Apts.
*Brown, Estella E. (36)	Md.	3475 14th St.
Brown, Frances Isabella (0)	D. C.	4606 15th St.
Brown, Lois (0)	Texas	714 18th St.
Brown, Wager Swayne (110)	D. C.	2827 28th St.
Browne, Thomas (116)	D. C.	231 9th St. N. E.

*Browning, Ella Cawthorn (0)	Md.	1402 Delafield St.
Bruner, Kenneth H. (0)	D. C.	519 Harvard St.
Bryan, Carolyn Naomi (10)	D. C.	1906 Florida Ave.
*Bryant, Charles Odell (0)	Tenn.	606 22d St.
Buchman, Eva Rebecca (57)	Iowa	1804 G St.
Buckingham, Ethel R. (6)	D. C.	2570 University Pl.
Buckingham, Wells Sackett (0)	D. C.	The Portner
Burdick, Bernard Franklin (10)	Ala.	1739 P St.
*Burg, Robert Edward (0)	D. C.	Soldier's Home Hospital
Burgess, Harriett Lenore (0)	D. C.	1819 Hamlin St. N. E.
Burkinshaw, Thomas J. (0)	Conn.	The Marlborough 918 18th St.
Burrus, John W. (62)	N. C.	Y. M. C. A.
Bursley, Harry C. (0)	D. C.	57 R St. N. E.
Burton, Oliver E. (39)	W. Va.	55 T St. N. E.
†Butkiewicz, John K. (122)	D. C.	1335 H St.
†Butler, Charles Claud (0)	D. C.	3435 Oakwood Terrace
†Butler, George Henry (0)	N. Dak.	612½ 22d St.
Butler, Marion, Jr. (39)	D. C.	2200 R St.
†Buzbee, J. Quintin (94)	Ala.	112 3d St. N. E.
Cabler, Cleveland (130)	Ark.	1100 Vermont Ave.
Call, Alden A. (0)	D. C.	3612 Newark St.
*Campbell, Kathleen Ray (86)	Va.	The Concord
Campbell, Lois Elizabeth (0)	Pa.	5611 14th St.
*Campbell, Ruth L. (0)	Calif.	1820 K St.
Carle, Herbert M. (22)	Ohio	611 22d St.
Carr, Elma Bebee (106)	Ky.	Department of Labor
Cartmell, Leon E. (85)	Miss.	502 B St. N. E.
Castle, Wanda R. (0)	Texas	1827 I St.
Cates, Ronald Edward (10)	Iowa	1739 P St.
Cathcart, Paul Hamilton (104)	Va.	Ballston, Va.
Cerceo, A. Victor (0)	D. C.	110 E St.
Chace, Marjorie (15)	D. C.	5300 Belt Rd., Chevy Chase, D. C.
†Chandler, Robert Carswell (0)	Ga.	2002 G St.
Chapin, Mabel Heath (0)	D. C.	815 A St. N. E.
Chastain, Louis P. (0)	D. C.	723 Carroll Ave., Takoma Park, D. C.
Cheek, Elsie Carolyn (0)	D. C.	54 V St.
Cheyney, William James (69)	Va.	Rosslyn, Va.
Church, Earle R. (36)	Mich.	R. F. D., Silver Spring, Md.
Clark, Helen Angela (0)	D. C.	1818 Kalorama Rd.
Clark, Waldo Appleton (0)	D. C.	1778 Lanier Pl.
Clarke, Cornelia Phillips (0)	Md.	Hyattsville, Md.
Cline, Robert C. (0)	Va.	McLean, Va.
*Clover, Nina (0)	Okla.	1669 Columbia Rd.
Cochran, Doris Mable (100)	D. C.	2027 1st St.
*Cohen, Elizabeth (0)	N. J.	2914 11th St.
Cohen, Sam J. (63)	D. C.	617 K St.
Coleman, Donald George (85)	Kans.	1762 U St.
†Colflesh, Robert W. (0)	Iowa	615, Y. M. C. A.
Comley, Lorne C. (0)	Va.	Cherrydale, Va.
Conlon, Norman A. (0)	D. C.	3540 11th St.

Cooperman, Hattie (68)	Iowa	2510 M St.
Corn, Herbert Frederick (0)	Ill.	1100 Vermont Ave.
*Costello, Mary E. C. (0)	N. Y.	117 R St.
Cottrell, Casper Lehman (101)	Pa.	2140 G St.
Coughlin, Elva E. (84)	D. C.	5346 41st St., Chevy Chase, D. C.
Coyne, Gladys Dale (0)	Ind.	The Monmouth
*Craighead, Ruth H. (0)	Mass.	1849 Mintwood Pl.
Craton, Margaret Elizabeth (0)	D. C.	1410 Girard St.
†Crawford, Marvin (0)	Miss.	318 B St. S. E.
Croggon, William Newton (13)	D. C.	1460 Newton St.
Cromer, Kenneth (6)	Va.	1218 11th St.
†Cross, Ida Chace (0)	Mass.	709 Shepherd St.
*Cuddihy, M. Isadore (0)	Mich.	Colorado Apts.
†Cummings, Florence (103)	D. C.	1333 Valley Pl. S. E.
*Cutts, Laura Louise (78)	Wash.	1723 35th St.
Dahl, Anna (0)	Iowa	624 H St.
Dahl, Myra (0)	Iowa	624 H St.
Dake, Lucy Ramona (0)	Va.	Cherrydale, Va.
Daniel, Julia Irene (80)	D. C.	512 Randolph St.
Darby, Roy L. (0)	Iowa	523 Shepherd St.
Davis, Graham Lee (0)	N. C.	Y. M. C. A.
†Day, Helen Marie (0)	D. C.	2014 North Capitol St.
Dean, Minnie F. (2)	D. C.	1778 Lanier Pl.
Dean, Waiva A. (44)	Oreg.	1937 Park Rd.
DeBrodes, Pauline (0)	D. C.	The Portner
DeFrees, Raymond G. (114)	Iowa	2425 North Capitol St.
DeGrange, Frances E. (0)	D. C.	25 U St. N. E.
DeJersey, Violet L. (0)	Mo.	1342 Vermont Ave.
Dement, Charles William (12)	D. C.	1348 Parkwood Pl.
*Denton, Dottie Adele (0)	Tenn.	1531 Vermont Ave.
Dickey, Frederick Morse (81)	Pa.	1441 Pennsylvania Ave. S. E.
Dix, Orilee Elizabeth (16)	D. C.	3328 O St.
Dodek, Samuel Mayer (0)	D. C.	1360 Spring Rd.
Doke, Lula C. (6)	D. C.	1824 G St.
DonLeavy, Mary Agnes (0)	Vt.	1524 L St.
Doyle, Blanche Gleason (0)	D. C.	4901 13th St.
Drown, Marion Julia (30)	D. C.	1027 12th St.
DuBose, William J. (14)	D. C.	1850 Kalorama Rd.
Duggan, James Henry (0)	Ga.	1108 13th St.
*Dunagan, Laura L. (0)	Ga.	2118 O St.
*Duvall, Elizabeth Van Horn (0)	D. C.	304 9th St. N. E.
Earnest, Elizabeth (30)	D. C.	2123 N St.
Earnest, John Paul, Jr. (91)	D. C.	2123 N St.
Earnshaw, Eleanore Allison (61)	D. C.	224 8th St. S. E.
Earnshaw, Samuel Wilson (15)	D. C.	224 8th St. S. E.
Ebling, Samuel Gale (105)	Ohio	2127 G St.
Eckel, Arthur Frederick (22)	Ill.	Bureau of Standards
Eckert, Esther Agnes (6)	D. C.	3042 Newark St.
*Edgerton, Daisy (0)	D. C.	1016 Massachusetts Ave.
Edmonds, Ralph Milo (0)	D. C.	1904 Jackson St. N. E.
Edwards, Marion J. (0)	D. C.	118 14th St.
*Ehret, Ruth G. (0)	N. J.	X-Y Bldg., Govt. Hotels
Einstein, May Blanche (101)	D. C.	619 19th St.

Eldridge, Frank R., Jr. (21)	D. C.	218 Park Ave., Takoma Park, D. C.
Elliott, Edwin Boyd (0)	D. C.	3708 Oliver St.
Elliott, John Plummer (0)	Md.	1843 Calvert St.
Ellis, James F. (0)	Ala.	24 Grant Pl.
Ellis, Lee E. (0)	Ala.	24 Grant Pl.
*Elmquist, Jean Gemmel (64)	D. C.	2844 Wisconsin Ave.
Ely, Mary Hanford (0)	Pa.	1720 H St.
*Engelbert, Archibald L. (0)	Wis.	Camp Humphreys, Va.
*Enyart, Alta Marie (20)	D. C.	2120 G St.
†Erbach, Amalia Marie (0)	D. C.	713 Massachusetts Ave. N. E.
Erikson, Bernhard E. (104) George Washington University, D. D. S., 1919	Ill.	2112 F St.
Espey, Anna Louise (0)	D. C.	2010 1st St.
Evans, Rose E. (0)	Pa.	Vandling, Pa.
Falls, Charles D. (0)	Ind.	1858 Mintwood Pl.
Farrell, Thomas Francis (24)	Mass.	1908 H St.
Fenton, Anna B. (0)	Nebr.	1306 Girard St.
†Flaherty, Paul (0)	Mass.	1762 N St.
Flisher, Leonora V. (0)	N. Y.	721 19th St.
Folse, Lenard Roy (0)	La.	2013 G St.
Fondersmith, Ralph W. (0)	Ind.	2123 F St.
Ford, Julia Louise (12)	D. C.	328 11th St. N. E.
Foster, B. S., Jr. (0)	D. C.	2034 F St.
Foster, Margaret E. (0)	Md.	Glen Echo Heights, Md.
Fraker, Bessie Eva (0)	Tenn.	1124 12th St.
Freedman, Alexander (0)	D. C.	3128 19th St.
*Freeman, Susan Elizabeth (0)	N. C.	1018 14th St.
*Freil, Gertrude Gabriel (0)	N. Y.	190, S. W. & N. Bldg.
Frey, John Charles (29)	Ind.	Y. M. C. A.
Frost, Beulah Malvina (30)	Minn.	1725 T St.
Funk, Clara Linn (0)	Ky.	115 S St.
*Galloway, Ralph E. (100)	Va.	Walter Reed Hospital
Gardner, Allen Howard (0)	Penn.	1421 Buchanan St.
*Gardner, Beryl G. (0)	Penn.	515 Rock Creek Church Rd.
Garnett, Joseph F. (0)	Ky.	1533 15th St.
Geitner, Frances Royer (0)	N. C.	1401 Massachusetts Ave.
*George, Mary Vincent (12)	D. C.	513 East Capitol St.
Gerry, Marjorie S. (0)	D. C.	2944 Macomb St.
Geschickter, Charles (86)	D. C.	1222 Connecticut Ave.
Gessford, Eleanor (0)	D. C.	3123 13th St.
Gilligan, William (80)	Conn.	2023 G St.
Girdner, William Waldo (0)	D. C.	6812 Laurel Ave., Takoma Park, D. C.
Girts, Maxine Lucile (0)	Penn.	1434 Harvard St.
†Gladstone, Joseph Marion (24)	D. C.	308 East Capitol St.
*Gladstone, Newton Abel (0)	D. C.	1748 8th St.
Glassford, Mary C. (0)	D. C.	3639 13th St.
*Glazat, Viola F. (0)	Mich.	918 M St.
Glenn, Daisy Marie (9)	Wyo.	The Gordon
Gluck, Sol S. (110)	Wis.	1322 12th St.
Godbold, Albea (31)	Miss.	Bu. of Labor Statistics
Godfrey, Clarence Mortimer (68)	D. C.	915 14th St. S. E.
Goforth, Alys M. (2)	La.	2 D St. S. E.

Goodrich, Llewellyn L. (0)	Mo.	201 I St.
Gordon, Isidor (0)	Md.	Riverdale, Md.
Grace, Elizabeth (0)	Ala.	720 4th St. N. E.
†Granger, Elizabeth M. (0)	Mo.	3722 New Hampshire Ave.
*Gras, Beulah M. (0)	Iowa	20th and P Sts.
Grass, Edward Jacob (0)	D. C.	2024 I St.
†Gravatt, Frances E. (100)	Md.	5 Leland St. Chevy Chase, Md.
Greene, Lemuel E. (101)	La.	2715 14th St.
*Gregg, Alexander White (101)	Texas	1333 15th St.
Grock, Nellie Hazel (0)	D. C.	Takoma Park, D. C.
Gronna, Arthur J. (62)	N. Dak.	2219 California St.
Grunwell, Mary Elizabeth (0)	Md.	924 23d St.
Guilford, Anne E. (51)	D. C.	401 D St.
Haddaway, Klein Kinzer (91)	Md.	2504 Garrison Ave. Baltimore, Md.
Hadden, Helen Frances (10)	Md.	17 Grafton St. Chevy Chase, Md.
*Haffly, Edith (0)	Pa.	1035 Lamont St.
Hagan, Jonathan Foster (15)	Va.	Ballston, Va.
Halderman, Daniel Luther (0)	Penn.	2040 F St.
†Hall, Theresa (0)	Ky.	219 East Capitol St.
Hanna, Anita Belle (73)	Ind.	1202 18th St.
Hanna, Mark (0)	Ind.	1333 15th St.
Hanson, Edward J. (42)	N. C.	1333 15th St.
Hardy, Max (54)	Colo.	429 New Jersey Ave.
*†Harlin, Ruth E. (0)	Minn.	309 A St. S. E.
Harlow, W. Frank (0)	Md.	Brentwood, Md.
†Harris, Samuel Beveridge (0)	D. C.	Y. M. C. A.
*†Harrison, Forrest Martin (60) M. D., 1914, George Washington University	D. C.	1705 Kenyon St.
Harvey, Rosamond Frances (88)	D. C.	2007 F St.
*Harvey, William McKenzie (9)	D. C.	Kenilworth, D. C.
Hastings, George S. (68)	D. C.	3600 Ordway St.
*Hatcher, James C. (24)	Ala.	1907 G St.
Haworth, Ellis (0)	D. C.	132 13th St. S. E.
Hayes, Arthur Walker (25)	D. C.	3558 16th St.
Haynes, William Preston (60)	Va.	Alexandria, Va.
Hays, Cathryn Mary (0)	Mo.	1340 Fairmont St.
Hazell, Joseph W. (33)	D. C.	1339 K St.
†Hedden, Ruth Marie (49)	D. C.	1908 Belmont Rd.
*Helmick, Dorothy P. (0)	D. C.	5411 Illinois Ave.
Henderson, Edward Porter (0)	Ohio	Marine Headquarters
Hendon, Robert R., Jr. (55)	Okla.	1843 Calvert St.
Henry, Lula (16)	D. C.	1919 K St.
*Henshall, Lawrence Decker (14)	Penn.	1333 15th St.

Herbst, Mildred Louise (30)	D. C.	1032 25th St.
Hersey, Samuel Freeman (106)	Iowa	105 D St. N. E.
Hicks, Arthur J. (30)	Mich.	433 Q St.
Hill, Hazel Rae (0)	Md.	408 3d St.
Hill, Ira B. (17)	N. C.	1025 G St. N. E.
Hilton, Olin Lloyd (0)	Ala.	1751 P St.
Hinemon, Eugenia (0)	D. C.	1717 35th St.
Hobbs, Dorothy F. (0)	D. C.	3705 24th St.
*Hobbs, Pauline Bowen (61)	D. C.	The Beacon
Hocker, Frances W. (0)	Penn.	22 2d St. N. E.
Hoffman, Herman S. (37)	Md.	Brentwood, Md.
Hogg, Sara (103)	Ga.	1401 Columbia Rd.
Hollis, Lawrence Coe (14)	Va.	1218 11th St.
Holman, Jesse Neil (0)	Ala.	147, House Office Bldg.
Holmes, Oliver W. (9)	D. C.	830 Otis Pl.
Holmes, Ruth Emily Virginia (0)	Md.	Rockville, Md.
Hopkins, Joy (67)	Va.	7106 Piney Branch Rd.
*Horn, Gladys W. (0)	N. J.	1333 Fairmont St.
†Hornaday, Fred E. (0)	D. C.	1419 Newton St.
Horwitz, Alec (90)	D. C.	916 4½ St. S. W.
Hosford, Helen R. (54)	Iowa	606 Quincy St.
Houston, Mary Josephine (0)	D. C.	1750 S St.
Howard, Deane Childs (70)	D. C.	1801 16th St.
Howell, Herbert E. (0)	Mich.	34 T St.
Howell, Joseph Adams (0)	Ala.	224 1st St.
Hudson, Frances M. (0)	Mo.	1024 Vermont Ave.
Huff, Charles R. (66)	Minn.	1916 16th St.
†Hunsicker, Anna Pearl (45)	Ind.	1919 G St.
†Hunt, Ada M. (63)	D. C.	2727 Ontario Rd.
Hurley, Fitzhugh L. (0)	N. C.	Y. M. C. A.
Huse, Fay Irene (93)	Mont.	Wardman Park Inn
Hyman, Sadie Zunsner (61)	D. C.	3401 16th St.
Jackson, Lawrence Oscar (112)	Colo.	17 T St. N. E.
Jackson, William Isaac (56)	Ill.	Y. M. C. A.
*Jacobs, Mary E. (0)	Wis.	1473 Harvard St.
Jacobs, Merlin Edwin (0)	D. C.	517 L St.
Jacobson, Robert Louis (0)	Wis.	2030 G St.
Johnson, Alva H. (0)	Mich.	1310 Delafield Pl.
*Johnson, Beulah A. (0)	Wis.	1104 M St.
Johnson, Edward H. (20)	Texas	32 G St. S. W.
Johnson, Ethel May (58)	Penn.	1207 Emerson St.
Johnson, Lester Wylie (0)	Ill.	309 New Jersey Ave.
*Johnson, Marshall Harrison (0)	La.	3106 Mt. Pleasant St.
Johnson, Russell M. (0)	Minn.	1100 Vermont Ave
Johnson, William Joseph (0)	Mass.	232 1st St. S. E.
Johnson, Yeba (36)	Ky.	5100 14th St.
Johnston, Francis E. (76)	Va.	Alexandria, Va.
Johnston, Kenneth A. (23)	D. C.	The Kenyon
Jones, Evelyn Wellington (33)	D. C.	3719 Keokuk St.
Jones, Francis Marion (46)	D. C.	The Kenyon
Jones, Minnie (30)	D. C.	122 D St. S. E.
Judd, Eleanor C. (28)	D. C.	Monmouth Hotel

Judge, Anastasia G. (0)	D. C.	116 V St. N. E.
Kalupy, Harry Harold (67)	La.	2020 G St.
Kaplovitz, Rebecca (46)	N. J.	1336 Newton St. N. E.
Kar, A. Kenneth (0)	D. C.	2622 11th St.
Keegin, S. Warwick (0)	D. C.	1704 Lamont St.
*Keener, U. Grant (8)	Okla.	1333 15th St.
Keiser, Clarence Cyrus (6)	Md.	Bethesda, Md.
Kell, Gertrude C. (0)	Kan,	1116 Vermont Ave.
†Kellogg, Grace Elizabeth (0)	D. C.	36 Rhode Island Ave. N. E.
Kelly, Homer Blaine (95)	Mass.	Fontanet Courts
Kelly, Richard Alexander (122)	Va.	1312 Fairmont St.
Kelsey, Bernice (0)	D. C.	1712 Allison St.
Kennedy, Lillian Elizabeth (0)	Mo.	105 5th St. N. E.
Kenney, Mary Bryan (0)	Del.	2031 F St.
*Kerig, Florence Dwan (0)	Mass.	1800 I St.
Kincaid, Calvin B. (0)	Tenn.	630 Keefer Place
*†King, Stella M. (0)	D. C.	819 Kennedy St.
Kingsbury, Dorothy E. (6)	Mich.	17 Adams St.
Kling, Margaret Aimee (0)	Ill.	Monmouth Hotel
†Knapp, Arthur Lyman (0)	D. C.	714 Rock Creek Church Rd.
Krause, Laura Magdalena (0)	Nebr.	641 Maryland Ave. N E.
Kunkel, Ruth Lee (0)	D. C.	2510 Wisconsin Ave.
†Lacey, Anna Jannette (0)	Md.	Washington Grove, Md.
Ladd, Dorothy Devereaux (0)	Md.	6109 Brookville Rd. Chevy Chase, Md.
LaMoore, Parker (0)	N. Dak.	213 4th St.
Landers, Mary J. (0)	Ill.	1750 S St.
†Lane, Eleanor (70)	D. C.	2906 H St.
Lane, Russell C. (0)	N. Y.	819 19th St.
*Langin, James J. (0)	Iowa	1719 G St.
Larson, Swan Alfred (52)	Minn.	2130 O St.
Law, Thomas Wilbur (0)	Fla.	1354 Fairmont St.
Lazaro, Heloise (79)	La.	Falkstone Courts
Lee, Agnes Irene (36)	D. C.	327 10th St. N. E.
†Lee, Elizabeth L. (0)	D. C.	2818 13th St. N. W.
Leedy, Nellie Grace (3)	Mo.	201 East Capitol St.
Leiden, Cyril E. (0)	Pa.	1120 13th St.
Lester, M. Mary (72)	Va.	2114 G St.
Lewis, Stuart (—)	Ill.	1100 Vermont Ave.
*Lide, Lewis Maxwell (138)	D. C.	219 14½ St. N. E.
Lindow, Oscar H. (85)	Wis.	513 22d St.
Lindsay, Fred H. (0)	Okla.	504 F St. N. E.
Littell, Nelson (99)	Ind.	3149 Mt. Pleasant St.
Little, Donald (0)	Kansas	House Office Bldg.
Littlehales, George Reber (15)	D. C.	2132 Le Roy Place
Long, Florence Adelaide (0)	Va.	526 Queen St., Alexandria. Va.
Long, Georgia A. (0)	D. C.	124 R St. N. E.
†Long, William Rodney (0)	Mass.	1762 M St. N. W.
Lord, Isaac Quackenbush (0)	D. C.	1336 Newton St. N. E.
Louis, Max C. (34)	D. C.	47 Quincy Place N. E.
Love, Douglas Wilding (0)	Utah	1439 Rhode Island Ave.
Ludlow, Marjorie (0)	D. C.	1908 Q St.
†Lundstrom, Frank O. (94)	Colo.	231 E St.
Lyon, Quinter Marcellus (84)	D. C.	636 S. Carolina Ave. S. E.

McCabe, William L. (0)	Utah	2622 11th St.
McCaslin, Frank E. (0)	Minn.	1801 G St.
McCauley, Katherine Christine (0)	D. C.	1353 Maple View Pl. S. E.
McChesnsy, Frank Marks (70)	D. C.	129 Randolph Pl.
McClintock, Laura Madeline (80)	Pa.	The Octavia
McClurg, Alice (0)	Ind.	1527 O St.
McCollum, Ruth (0)	S. Dak.	931 K St.
McCormick, Justine Lucille (0)	Ind.	5408 9th St.
McCoy, Harold D. (0)	Wis.	30 Elm Ave. Takoma Park, D. C.
†McCoy, William F. (0)	D. C.	1916 16th St.
McCullough, M. Ruth (0)	Pa.	1419 Columbia Rd.
†McDannel, Lucy Churchill (0)	D. C.	Wardman Park Hotel
McElroy, Catherine Frances (0)	Mass.	3400 Macomb St.
McGrew, Martha Steele (82)	Tenn.	1363 Fairmont St.
McIntyre, Joseph D. (38)	D. C.	2209 M St.
McKendree, Laurette (44)	D. C.	1807 Riggs Place
McKenzie, Doris (61)	D. C.	2118 F St.
†McKoy, Francis K. (62)	N. C.	2029 H St. N. W.
McMillan, Frances Lucille (98)	Tenn.	3815 14th St.
McNeill, Marvin C. (0)	Ill.	Y. M. C. A.
McNitt, H. Arnold (0)	Md.	Berwyn, Md.
McNitt, H. J. Russell (0)	Md.	Berwyn, Md
*McPherson, Joe Francis (0)	Mo.	House Office Bldg.
McPherson, John Vernon (0)	Mo.	House Office Bldg.
*McQuilkin, Margaret M. (0)	Ill.	5413 Illinois Ave.
Mague, Roscoe Edwin (36)	Mass.	1603 G St. S. E.
Malone, Lillian (60)	Va.	408 Duke St., Alexandria, Va.
Mankey, Helen Laura (30)	D. C.	2914 11th St.
Manning, Thomas Ray (114)	Pa.	22 2d St. N. E.
Manning, Vannoy H., Jr. (0)	D. C.	3602 Newark St.
Markley, May Adelle (39)	D. C.	136 F St. S. E.
Markriter, Frank B. (0)	D. C.	1758 U St.
Marthinson, Detlow M. (100)	D. C.	Theta Delta Chi House
†Martinez, Mercedes (61)	P. R.	1224 13th St.
*Marvin, Robert Waldo (0)	D. C.	324 Taylor St.
Mason, John Russell (18)	D. C.	808 9th St. N. E.
Massey, Linton Reynolds (3)	D. C.	1844 Kenyon St.
Massey, Mark F. (0)	Kansas	918 23d St.
*Matheny, Mary F. (0)	Texas	338 Maryland Ave. N. E.
Maul, Sarah Elizabeth (78)	D. C.	Hyattsville, Md.
*Maupin, Harry Domer (0)	D. C.	1420 Longfellow St.
May, Ruth Elizabeth (9)	Md.	Berwyn, Md.
Mehlig, May O'Rourke (0)	D. C.	1726 Mass Ave.
Meloon, Ivy Carmen (89)	Mass.	V-W Bldg, Govt. Hotels.
Merdian, Bertha (0)	Ill.	324 5th St. S. E.
Merrick, Manila C. (6)	Iowa	1017 12th St.
Merrill, Lottie (0)	N. Y.	1531 Vermont Ave.
Merriman, Ervin Eugene (51)	Ind.	400 M St. N. E.
Messer, Agnes Henderson (0)	D. C.	3504 Macomb St.
Metzerott, Gertrude (89)	D. C.	The Northumberland

Metzeroth, Margaret (64)	D. C.	119 12th St. S. E.
Mikeska, Rosalie (46)	Texas	10 New York Ave.
Miller, Nelson A. (0)	D. C.	1836 North Capitol St.
Miller, Philip (0)	N. Y.	1103 9th St.
Mills, Agnes J, (3)	Colo.	1337 Park Road
Mills, Eddie Lance (102)	Texas	2421 Penn. Ave.
Mills, Helena Jane (0)	Md.	R-S Bldg, Govt. Hotels
Miner, Helen (108)	Ohio	1613 Irving St.
*Mitchell, Harold E. (0)	D. C.	7 Melrose St. Chevy Chase, D. C.
Mitchell, Harriette (0)	Mo.	2400 16th St.
Moncure, Eliza M. (0)	D. C.	Woodworth Apts.
Mondell, Dorothy (45)	Wyo.	2110 O St.
Montgomery, Elsie M. (0)	D. C.	3302 N St.
Montgomery, Jimmie Ethel (104)	Ala.	3459 Holmead Pl.
Moore, Margaret M. (20)	Mo.	101 North Carolina Ave. S. E.
Moore, Mildred Josephine (95)	D. C.	111 Tenn. Ave. N. E.
Moore, Myrtle E. (0)	Texas	215 9th St. S. W.
Morehouse, Mortimer Bryan (34)	D. C.	1526 O St.
Morrell, Foster (0)	Ohio	4729 13th St.
*Morrison, Ralph Lancaster (0)	Md.	1335 H St.
Morrow, Clara Allen (40)	D. C.	Wardman Park Inn.
Morse, Mary E. (0)	N. Y.	808 Upshur St.
Moskivitz, Adolph (63)	D. C.	1329 S St.
Mottern, Albert Joseph (58)	Ohio	2517 Wisconsin Ave.
Moulton, Edward B. (0)	Ill.	1419 Girard St.
*Mudgett, Robert S. (0)	Mich.	1219 Delafield Place
*Muncey, Ariana (0)	Fla.	56 Seaton Place
Munter, Godfrey Leon (102)	Ill.	Swiss Legation
*Murray, Anna (0)	D. C.	1317 Farragut St.
Mussman, Michael Angelo (0)	Pa.	438 H St.
*Myers, Frank Hammett (30)	D. C.	3754 McKinley St.
Nall, Arthur Ernest (2)	Texas	1333 15th St.
†Naylor, Estill Ess (62)	Mo.	1736 G St.
Nelms, Henning Cunningham (94)	D. C.	1121 12th St.
Nelson, Agnes Christine (91)	N. Dak.	2524 17th St.
Newman, Harry Wright (44)	D. C.	1739 P Street
Newman, Linn Alberta (28)	Ind.	House Office Bldg.
Newman, Raymond W. (0)	Calif.	Bureau Animal Industry
Nichols, Henry Janney (109)	D. C.	1842 Calvert St.
*Nye, Clare Brelm (0)	D. C.	23 V St. N. E.
Nyren, Philip (0)	Wash.	713 21st St.
Oberg, Nancy E. (0)	Pa.	236 L-M Bldg. Govt. Hotel
*Oliver, Fred Nash (118)	Texas	Walter Reed Hospital
*Pabst, Helen Gertrude (30)	D. C.	4622 15th St.
†Packer, Earl L. (36)	Iowa	1523 L St.
Padgett, Mildred (100)	D. C.	1726 Euclid St.
*Page, Nannie Tyler (0)	D. C.	220 Wootton Ave. Chevy Chase Station
Palmer, J. Joseph W. (0)	D. C.	84 V St.
Palomar, Gaudioso P (0)	D. C.	Alabama Apts.
Parham, Julia A. (—)	Texas	2112 F St.

Paulucci, Joseph W. (0)	Ohio	Walter Reed Hospital
Pazour, Marie (24)	S. Dak.	1520 P St.
Pearson, Essie Lee (0)	D. C.	22 Channing St.
Perlin, Harry (100)	Conn.	2219 H St.
Perlstein, Samuel (0)	D. C.	105 6th St.
Perrott, Dorothy (0)	N. Dak.	1311 P St.
Perry, Irene Erskine (0)	Fla,	1414 16th St.
*Pessin, Joseph (0)	Iowa	434 10th St.
Peterson, Caroline E. (0)	Calif.	Bureau Medicine and Surgery Navy Dept.
Peterson, Charles Frederick (37)	Md.	U. S. Capitol Police
Peterson, Mabel E. (0)	N. Dak.	1357 Montague St.
Peterson, Robert K. (0)	Va.	Lenox Apts.
†Peterson, William Walter (43)	D. C.	1919 Calvert St.
Phelps, Rose B. (8)	Mich.	2141 K St.
Phillips, Ruth Sutherland (96)	D. C.	87 Eastern Ave. Takoma Park, D. C.
Phillips, Shelby C. (24)	D. C.	1357 Girard St.
Phoebus, Gladys Edith (44)	D. C.	1925 North Capitol St.
Pickering, Grace (0)	Ind.	The Toronto
Pitcher, Lois (35)	D. C.	3910 McKinley St.
Pollner, Nona Bette (98)	D. C.	3200 Park Place
Pope, Darwin Jesse (85)	D. C.	3214 Newark St.
Pope, Gladys Anna (0)	D. C.	3214 Newark St.
Porter, Bessie J. (11)	Neb.	1128 New Hamp. Ave.
†Porter, George Boutin (0)	D. C.	1601 31st St.
†Porter, Raymond W. (0)	Okla.	Glen Echo, Md.
Powell, Mary Louise (24)	D. C.	628 6th St. N. E.
Preinkert, Margaret Marie (77)	D. C.	1511 L St.
Prescott, Olive (63)	D. C.	The Burlington
Probey, Thomas F. (84)	D. C.	3158 O St.
Protas, Maurice (56)	D. C.	1314 13th St.
Pulliam, Robert W. (6)	N. C.	1419 Chapin St.
Pusey, Elmer M. (6)	D. C.	127 T St.
Putnam, Amy D. (0)	N. J.	3033 15th St.
*Quinn, Herbert E. (0)	Texas	71 New York Ave.
Ramsey, Elizabeth Ruth (0)	Va.	Rosslyn, Va., R. F. D.
Ramsey, Margaret C. (0)	D. C.	813 Mass. Ave. N. E.
Ranck, James Byrne (71)	D. C.	1405 15th St.
Raymond, Dorothy George (0)	D. C.	1501 Harvard St.
Redinger, Carl Chalmers (0)	W. Va.	2102 N St.
Reed, Fred Cassius (12)	D. C.	804 17th St.
Reed, Mabel C. (0)	D. C.	1922 1st St. N. E.
Reed, Paul Clinton (15)	La.	House Office Bldg.
Reese, William E. (18)	D. C.	1826 M St.
*Reeves, George Torreyson (110)	Va.	Ballston, Va.
Regan, Ruth (0)	Minn.	1425 Harvard St.
Reid, Neal Ewart (0)	N. Dak.	213 4th St. S. E.
Reinboth, John Franklin (37)	Ill.	2128 H St.
Reitzel, Albert Emmet (105)	N. C.	1311 L St.
*Relf, Dorothea Livingston (0)	D. C.	3427 14th St.

Reynolds, Olive Amrita (90)	D. C.	503 River Road Chevy Chase, D. C.
†Rhodes, Marion Benjamin (68)	Mo.	1627 19th St.
Richards, Miriam Grey (6)	Md.	9 West Irving St., Chevy Chase, Md.
Richardson, Mary Hume (0)	D. C.	132 East Capitol St.
Riggs, Florence M. (0)	N. Y.	308 Second St. N. E.
Roach, Jessie D. (0)	Ill.	2633 Adams Mill Rd.
Robb, Seymour (0)	D. C.	1131 7th St. N. E.
Roberts, Edna Jane (0)	D. C.	P-Q Bldg, Government Hotels
Roberts, Mary C. (0)	Ohio	1434 Q St.
*Robinson, Harry H. Jr., (0)	Fla.	Y. M. C. A.
Robinson, Mary Ann (0)	Miss.	728 3d St.
Robsian, Daisy S. (0)	Ky.	106 C St. S. E.
Rodriguez, Harris J. (0)	La.	2006 F St.
Rogers, Sam Lyle, Jr. (0)	N. C.	3610 Macomb St.
Rooney, William Francis (21)	Mass.	729 20th St.
Rorer, Julia H. (0)	D. C.	1800 K St.
Rosenbusch, Lloyd A. (0)	D. C.	3336 P St.
Rosinski, Gertrude L. (0)	D. C.	1216 K St.
Rowan, Blanche (0)	Iowa	1410 11th St.
Rowe, James M. (0)	D. C.	1401 Columbia Road
Rowland, Mittie Elston (24)	Tenn.	Cherrydale, Va.
Rowley, Frank Smithers (0)	D. C.	616 Harvard St.
Royer, Joseph Paul (17)	Ohio	1500 20th St.
Ruddiman, Minnette Honner (0)	D. C.	1647 Lamont St.
*Rummel, Alice L. (0)	Pa.	2117 O St.
*Ryan, Edward Thomas (15)	Conn.	1811 G St.
Ryan, Florence L. (0)	Ind.	919 18th St.
Ryan, Richard L. (0)	D. C.	1215 Euclid St.
*Sage, Loretta F. (0)	Mich.	The Octavia
Sandborn, Elizabeth (108)	Kansas	1526 O Street
*Sapp, Clara P. (0)	Kansas	1007 Mass Ave.
Savage, Robert Lee (0)	D. C.	712 Upshur St.
Sawyer, Vera C. (0)	N. Y.	127 Rock Creek Church Rd.
Schaaf, Martha Elizabeth, (94)	D. C.	1824 Monroe St.
Schauweker, Mildred Miriam (129)	Ohio	1873 California St.
Schellfeffer, Frank (107)	Ill.	1108 N. H. Ave.
*Scherkenbach, Gertrude M. (0)	Minn.	1022 Vermont Ave.
Scheufler, Edward Lipphardt (21)	D. C.	428½ M St.
Schlobohm, Otto A. (0)	N. Y.	National Press Club
*Schlup, Lester S. (0)	Ohio	915 16th St.
Schoenfelder, Helena Dorothea (0)	Iowa	Mt. Rainier, Md.
Schoffstall, Charles Warren (52)	Pa.	1829 19th St.
*Schroeder, Arnold H. (0)	Ind.	1311 M St.
Schwartz, Marion E.	D. C.	2414 12th St. N. E.
Schwartz, William Warner (0)	Mo.	1412 G St. S. E.
Scott, Charles Carlysle (42)	Ill.	1333 15th St.
*Scott, Margaret E. (0)	D. C.	702 20th St.

Scott, Ralph S. (93)	Md.	Hyattsville, Md.
See, Ernest A. (86)	W. Va.	1739 P St.
Shafer, Anna Lee, (0)	Ill.	310 3d St.
†Shaffer, Henry Morse (0)	D. C.	3437 Oakwood Terrace
†Shea, Earl Clifford (73)	S. Dak.	1321 Delafield Pl.
Shea, James W. (15)	D. C.	4427 Iowa Ave.
Shea, Margaret A. (0)	Ind.	1709 M St.
Sheriff, George Rothwell (21)	D. C.	1462 Newton St.
Shisler, George (63)	W. Va.	Walter Reed Hospital
*Showalter, John B. (0)	D. C.	1627 19th St.
Siegler, Catherine Estelle (0)	Md.	Tulip and Oak Aves., Takoma Park, Md.
†Silverman, Rose Claire (0)	D. C.	312 11th St. S. E.
†Simmons, Rush Nelson (23)	Minn.	1415 Rhode Island Ave.
Simmons, William V. (21)	Miss.	109 Maryland Ave. N. E
Simon, David Robert (0)	D. C.	2802 Cathedral Ave.
Sims, Eula M. (0)	Texas	5100 14th St.
*Sitler, Jeanette (0)	D. C.	417 11th St. N. E.
Sladen, William Milton (0)	D. C.	419 East Capitol St.
Slaughter, Dell Pemberton (0)	Okla.	1241 Euclid St.
†Smith, Ardis A. (0)	Iowa	2108 H St.
Smith, Audley L. (6)	Iowa	3644 New Hampshire Ave.
Smith, H. Josephine (0)	Ore.	The Ventosa
Smith, Lillian Martha (12)	D. C.	313 S St. N. E.
Smith, Margaret Mary (79)	Md.	Riverdale, Md.
Smith, Marguerite (0)	D. C.	2406 18th St.
Smith, Ruth Catherine (0)	Va.	N-O Bldg. Govt. Hotels.
†Smoot, Margaret Ward (0)	D. C.	2917 13th St.
Solem, Joseph A. (0)	S. Dak.	230 Wootton Ave., Chevy Chase, D. C.
Spear, Roy Harlin (0)	Okla.	1224 B St. S. W.
Spence, Charlotte Calvert (0)	Md.	College Park, Md.
Spencer, Mary L. (9)	N. C.	3623 New Hampshire Ave.
*Spillers, Dwaine Willey (0)	D. C.	1404 12th St.
Spoerri, Jay Fuller (0)	Ill.	House Office Bldg.
Stadler, Robert B. (0)	Texas	1823 G St.
Steenerson, Ingeborg Dolvar (0)	Minn.	1327 M St.
*Stevens, Arthur E. (0)	Mo.	920 5th St.
†Stewart, Katherine Romney (0)	Utah	100 4th St. S. E.
*Stiles, Pruett (0)	Okla.	124 6th St. N. E.
Stiles, Theobelle (0)	N. Dak.	514 17th St.
Stimpson, Charlotte Gordon (84)	D. C.	2141 Wyoming Ave.
Stimpson, Margaret (0)	D. C.	2141 Wyoming Ave.
Storck, Dorothea Furlam (0)	Va.	Virginia Highlands, Va.
*Strawn, Roxie Nolan (13)	Ind.	1315 20th St.
*Studds, Marie Agnes (12)	D. C.	1409 New Jersey Ave.
Sturgis, Hugh Legare (84)	Md.	Hyattsville, Md.
*†Sugar, Samuel (0)	D. C.	257 3d St. S. W.
Sullivan, Thomas R. (0)	Minn.	2123 F St.
Swearinger, Anita	Ind.	2912 16th St.
Swecker, Icie Lilian (21)	Va.	300 Va. Ave. South, Clarendon, Va.

Sweitzer, Ruth V. (0)	Mich.	117 12th St. S. E.
Symmonds, Katherine Godfrey (52)	Md.	The Marne
Symons, Arthur (13)	Mich.	708 Park Road
Tait, Beatrice Wilkins (90)	D. C.	Western Ave. and Ellicott St.
Tansil, Rebecca C. (0)	Tenn.	514 Park Road
Tate, Katherine B. (0)	Ala.	216 12th St. S. E.
Taylor, Ada Lorene (0)	Md.	R-S Bldg. Govt. Hotels
Temin, Henry (0)	D. C.	515 4½ St. S. W.
Tice, Howard McColly (0)	Pa.	3002 Q St.
Tilton, Leroy William (93)	Texas	917 Longfellow St.
Todd, Augustine Jaquelin (103)	D. C.	1779 Church St.
†Tolson, Clyde A. (0)	Iowa	2900 14th St.
†Tolson, H. A. (0)	Iowa	2900 14th St.
Toothman, Edwin Carson (0)	Ill.	1405 Rhode Island Ave.
Toronto, Eleanor S. (0)	Utah	1333 12th St.
Towers, Catherine Burke (0)	D. C.	1440 Belmont St.
Tracy, Stanley James (0)	Utah	2622 11th St.
Turner, Marie Alma (4)	N. C.	506 East Capitol St.
Turoff, Dora M. (6)	D. C.	1804 2d St.
VanDoren, Lurana C. (30)	D. C.	723 8th St. N. E.
Van Ness, Ethel M. (47)	N. J.	913 22d St.
Van Waters, Sherwood P. (94)	N. Y.	1338 Vermont Ave.
Veley, Bernice A. (0)	D. C.	3814 5th St.
Vickers, Rose (35)	Md.	Willard Courts
Vieth, Anna Marie (0)	Mo.	1808 Newton St.
Vliet, Andrew M. (0)	Ind.	935 New York Ave.
Wall, Adelaide D. (74)	D. C.	4009 14th St.
Waller, Laura Hazel (0)	Ohio	1150 North Capitol St.
Walter, Arthur Henry (15)	Ky.	118 Willow Ave., Takoma Park, D. C.
Walters, Sybil (0)	Iowa	1919 K St.
Ward, John Russell (0)	Iowa	413 A St. S. E.
*Ward, Mildred (6)	Iowa	413 A St. S. E.
Waring, Martha Lucy (49)	D. C.	616 Quebec Pl.
Warner, Wellman J. (0)	D. C.	746 Park Road
Warren, Lee Ella (55)	D. C.	1341 Columbia Road
†Warren, Orlin P. (0)	D. C.	1914 H St.
Watzman, Percy (28)	D. C.	25 I St. N. E.
Weadon, Leafy Margaret (0)	Va.	3413 P St.
Webster, Belle (12)	Minn.	4007 Garrison St.
*Weckerly, Ida (0)	Md.	105 E. Bradley Lane, Chevy Chase, Md.
Weigandt, Harry Nicolai (12)	S. Dak.	507 3d St.
Werner, Robert J. (0)	W. Va.	1920 Hamlin St. N. E.
*Wheeler, Henry Stevens (0)	R. I.	House Office Bldg.
White, Helen Margaret (70)	D. C.	1002 Nichols Ave. S. E.
White, Milo R. (18)	Ind.	U. S. Patent Office
Whitford, Margaret (91)	D. C.	3369 18th St.
Whyte, Eunice (106)	D. C.	935 M St.
Wiley, Virgil Brooks (27)	Del.	1718 17th St.
Wilfley, Katherine (12)	D. C.	1483 Harvard St.
Willey, Harold B. (0)	Mass.	1840 Vernon St.
Williams, Ernest F. (57)	D. C.	1235 Madison St.
Williams, Helen Harriett (0)	D. C.	2907 McKinley St., Chevy Chase, D. C.

Williams, Louise Elizabeth (0)	D. C.	3917 McKinley St., Chevy Chase, D. C.
Willis, Benjamin C. (35)	Md.	303 Northbrook Courts
Willis, Virginia (0)	D. C.	1324 L St.
Willis, Virginia Bullock (103)	Va.	Richmond Hotel
Wilson, Genevieve J. (0)	D. C.	The Cumberland
Wilson, John Barnette (0)	La.	The Sherman
Wilson, Melville Dwight (0)	D. C.	1739 F St.
Wilson, Thomas Barnette (0)	La.	Sherman Apts.
Wimmer, Joseph Cope (65)	Pa.	3002 Q St.
*Winger, William D. (0)	Md.	2511 14th St.
Winters, Czar Smith (6)	Utah	1224 13th St.
Wisehart, Malcolm (12)	Ill.	Y. M. C. A.
†Wolcott, Jessie M. (0)	Iowa	2022 North Capitol St.
*†Wolff, Frances C. (0)	D. C.	1859 California St.
Wolt, Helen J. (24)	Neb.	I-K Bldg, Govt. Hotels
Wong, Teh Pu (†)	China	2212 R St.
Wood, Karl H (0)	Va.	Alexandria, Va.
Wortman, Volney Winfield (115)	Okla.	1843 Calvert St.
*Yagle, Irma E. (0)	Ala.	605 North Car. Ave. S. E.
†Yates, Fred Lee (0)	Okla.	1717 Euclid St.
Yohe, Ethel Craigen (96)	D. C.	1758 S St.
*Ziegler, Claribel (0)	Ohio	748 Newton Pl.
Zirkle, Vernon B. (0)	Va.	410 3d St.

CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE IN MEDICINE

Baer, Donald Elwood (4)	D. C.	1744 Corcoran St.
Bierman, Morris I. (60)	D. C.	Providence Hospital
Bosworth, Robert Joseph (34)	D. C.	523 5th St. N. E.
Burgin, Walter H. (0)	D. C.	1208 Emerson St.
Camp, Frances Willson (0)	D. C.	2823 27th St.
Charest, Anna M (42)	Mich.	2581 Tunlaw Road
Colodny, Leo (0)	D. C.	1404 Park Road
Corey, Wilbur L. (0)	N. Y.	Takoma Park, D. C.
Creswell, George William (16)	Md.	1100 Vermont Ave.
Diatz, Philip (0)	D. C.	654 19th St.
Downer, Mortimer B., Jr. (0)	N. Y.	915 I St.
Eanet, Paul (0)	D. C.	352 I St. S. W.
Gardner, William Clifford (92) M. D., 1919 George Washington University.	D. C.	2650 Wisconsin Ave.
Geier, Frederick A. (0)	D. C.	728 13th St. N. E.
Gonzalez, Luis (0)	P. R.	1115 I St.
Johnson, Regena Cook (8)	Md.	1420 N St.
*Jones, Sallie E. (0)	Va.	239 13th St. S. W.
Kibler, Kirby (16)	Va.	226 3d St.
King, Ivan Roberts (91)	Ill.	Tudor Hall
McVey, Pauline Margaret (0)	D. C.	1723 G St.
Moxness, Bennie A. (4)	N. Dak.	700 20th St.
Munoz, Roque N. A. (58)	P.R.	1115 I St.
Nimetz, Aaron (0)	D. C.	1544 9th St.
Notes, Bernard (0)	D. C.	302 M St.

Ottenberg, Gilbert (34)	D. C.	318 Dist. Nat. Bank Bldg.
Pagan, Albert Elwood (99)	D. C.	The Rochambeau
Parker, Evelyn (0)	Vt.	317 A St. N. E.
Peake, Isidore Albert (24)	D. C.	1636 R St.
Philips, Joseph Julius (0)	D. C.	1233 7th St.
Porton, Stanley Paul (28)	D. C.	1838 11th St.
Pullman, Peter B. (0)	Va.	Alexandria, Va. R. F. D. 4.
Reed, John Alton (35)	D. C.	522 6th St.
Rhame, Harold E. (0)	D. C.	1236 11th St.
Russell, John Paul (28)	D. C.	817 6th St.
Schafer, William Lewis (0)	Va.	427 Wilkes St., Alexandria, Va.
Schutz, Charles A. (0)	Md.	1954 Biltmore St.
Schwartz, Paul (26)	D. C.	453 Mass Ave.
Slattery, Mary Julie (0)	D. C.	2844 Wisconsin Ave.
*Spangler, Casper S. (0)	Pa.	2032 16th St.
Stein, Joseph (22)	N. Y.	235 Florida Ave.
Swartwout, Edith Lilian (44)	D. C.	12 Iowa Circle
†Thompson, Thomas Carlton (109)	Pa.	Emergency Hospital
Thurber, Mildred E. (0)	N. Y.	1017 10th St.
VanNatta, Paul G. (0)	Mo.	Army Medical School
Venenozo, Fernando Okala (0)	P. I.	1121 17th St.
Weinshelbaume, Samuel (0)	N. Y.	1321 8th St.
Wiard, George Clark (0)	Va.	933 New York Ave.
*Williman, Frank Louis (65)	N. J.	109 Burlington Hotel
*†Yeamans, Edward Carey, Jr. (0)	S. Dak.	2323 Pa. Ave.
Zehner, Harry (0)	N. Y.	2500 Pa. Ave.

SPECIAL PRE-MEDICAL

*Atkinson, Ina Foss (0)	D. C.	Copley Courts
Azula, Juan B. (12)	Peru	2002 G St.
*Barry, William Keating (0)	D. C.	1425 Euclid St.
Beach, Mary Josephine (18)	Fla.	1920 Belmont Rd.
Beall, Isaac (0)	D. C.	176 Uhland Terrace
Bell, Stanley William (25)	D. C.	1325 1st St.
Butler, Arden Jones (0)	Tenn.	1234 13th St.
Butler, Homer K. (43)	D. C.	609 Kenyon St.
Calhoun, Edward J. (0)	D. C.	1201 Girard St.
Chapman, Katherine (0)	Md.	Kensington, Md.
*Clark, Gordon W. (0)	Utah	614 22d St.
Conklin, Roscoe L. (0)	D. C.	20th and Rhode Island Ave. N. E.
*Davis, William H., Jr. (0)	N. Y.	1422 Massachusetts Ave.
Dean, Benjamin Franklin, Jr. (32)	D. C.	916 Massachusetts Ave.
Denison, Abraham Robert (40)	D. C.	2600 K St.
†Dorsey, James Andrew (10)	Va.	1312 North Carolina Ave. N. E.
*Dubins, Julius (12)	N. Y.	2006 F St.
Duffey, Hugh Clarence, Jr. (28)	D. C.	929 O St.
Ellerson, Edwin Murdaugh (20)	D. C.	2134 R St.

Eschback, Philip Innes (0)	Md.	3008 Clifton Ave., Baltimore, Md.
Evans, Leland M. (0)	Utah	1224 13th St.
Evans, Theodore Hubbard (0)	Va.	1728 Corcoran St.
Field, Olivette Rosalie (36)	Va.	339 House Office Bldg.
Fletcher, Travis Leigh (6)	Va.	1102 L St.
Freeland, Fred Bernard (0)	S. Dak.	2004 G St.
Freyer, Eugene Bryant (0)	N. Y.	217 F St.
Friedenberg, Harry (6)	D. C.	917 6th St. S. W.
Green, Holland (0)	Ind.	915 N St.
*Halbach, Edward C. (0)	D. C.	1925 Park Rd.
Hammack, Paul Willard (15)	Va.	800 L St.
Hamric, Ethel Marie (0)	Va.	1223 N St.
Hoskinson, Stanley Lee (0)	Md.	217 F St.
*†Howell, Lehman Granes (0)	Ala.	910 Massachusetts Ave.
Hughes, William Henry (0)	D. C.	U. S. Naval Medical Hosp.
Jansen, Russell John (0)	Minn.	1468 Rhode Island Ave.
Jenkins, William Alexander, Jr. (16)	D. C.	71a L St. N. E.
Johnson, Don (0)	Utah	1427 21st St.
Johnson, John Wayne (0)	Md.	Y. M. C. A.
Johnson, William (0)	D. C.	1813 M St.
†Kaminsky, Abe (0)	D. C.	106 I St.
Kaplan, Louis Norman (0)	D. C.	1309 North Carolina Ave. N. E.
Krause, Edward A. (0)	Kan.	Y. M. C. A.
Lang, Richard James (0)	N. Y.	623 4th St.
Lattman, Isidore (2)	N. Y.	1462 Chapin St.
Lattman, Morris (2)	N. Y.	1462 Chapin St.
Locke, Howard Palmer, Jr. (36)	D. C.	1016 Massachusetts Ave.
*Ludwig, Harry Isdore (0)	N. J.	1210 7th St.
McCarthy, John L. (0)	D. C.	702 F St. N. E.
Maxwell, John Edwin (0)	D. C.	2311 18th St.
Mayer, Joseph A. (0)	Penn.	Huntington Apts.
Montani, Rocco (61)	N. J.	Madeira Apts.
†Navarro, Vicente A. (71)	P. I.	1635 L St.
Patterson, Homer Scott (0)	Ga.	2221 Flagler Pl.
†Perelma, Ossip (0)	D. C.	302 Evening Star Bldg.
Philips, Bernhardt (29)	D. C.	1233 7th St.
Pierce, Ralph Norwood (6)	D. C.	1808 Kalorama Rd.
Plotnick, Barney (0)	Va.	1540 7th St.
Potter, Harold W. (0)	D. C.	2120 G St.
Rosenblatt, Louis (24)	N. Y.	210 Rhode Island Ave.
Rubino, Anthony P. (0)	N. Y.	1321 Quincy St.
Savage, George Pomeroy (0)	Ala.	U. S. Naval Medical School
Schwab, Anton Martyn (0)	Va.	315 4th St. S. E.
Searcy, Henry Britton (0)	Ala.	1944 Calvert St.
Secunda, Herman (0)	N. Y.	517 L St.
Seward, Doris Marie (0)	Vt.	1341 A St.
Shannon, William Arthur (28)	D. C.	1528 9th St.
Shotwell, Clarence L. (0)	Va.	Falls Church, Va.
*Slaughter, Rosalie (0)	Mo.	Bureau War Risk Insurance
Smith, Howard L. (0)	D. C.	601 Carroll Ave., Takoma Park

Somers, Charles J. (0)	N. J.	2023 G St.
Stretch, James E. (0)	Conn.	1723 G St.
Stroup, Horace Clifford (0)	Penn.	1739 F St.
Swain, Alphonsine B. (0)	Mo.	X-Y Bldg., Govt. Hotels
Usilton, Lida J. (22)	D. C.	2034 North Capitol St.
*Vaughan, Merlon G. (0)	Va.	905 13th St.
†Walker, Ferris (0)	D. C.	2548 17th St.
*Watson, Lewis Randolph (0)	Md.	306 Hammond Ct.
Weeks, Norman E. (0)	D. C.	3200 12th St. N. E.
Welsh, Thomas F. (0)	Utah	1741 G St.
Whalen, Edward William (0)	Penn.	1819 F St.
†Wilton, Ralph William (0)	D. C.	1335 22d St.
Wire, George Edward (0)	Va.	933 New York Ave.

SPECIAL

Aaronson, Ruth	D. C.	1106 Fairmont St.
†Abstein, Gladys H	D. C.	1515 Mass. Ave.
Adams, Mary Jo.	Tenn	1309 P St.
Adams, Ruth Carlisle	N. J.	1349 R St.
*Adamson, Louise	D. C.	635 Dahlia St., Takoma Park, D. C.
*Affleck, Madge G.	Va.	1104 M St.
*Agnew, Ethna M.	D. C.	1106 Fairmont St.
*Agnew, Helen	D. C.	The Rochambeau
Akers, Edna	Ky.	2030 F St.
†Alexander, Susan	Ill.	222 Oak Ave., Takoma Park, D. C.
Allen, Elsie M.	Ohio	314 House Office Bldg.
Allen, Glenna M	Iowa	E-F Bldg., Govt. Hotels
Allnutt, Edith Louise	D. C.	38 Florida Ave.
Aman, Dorothy Nesbit	Md.	Hyattsville, Md.
*Ambler, Nancy	Iowa	1360 Otis Place
Ambrose, Anita M.	D. C.	647 G St. S. E.
*Anderson, Albert F.	D. C.	70 U St.
Anderson, Florence	Ohio	P-Q Bldg., Govt. Hotels
*†Anderson, Irene	Mo.	1822 Mass Ave.
*†Andrews, Mary LeBaron	W. Va.	1819 G St.
†Antisell, Marion Brumm	Md.	Silver Spring, Md.
Arnerson, Marian G	Minn.	51 Bryant St.
Arrowsmith, Jean M.	Pa.	1717 S St.
Arthur, Lincoln D.	N. Y.	1103 17th St.
Aten, Marian Frances	D. C.	1432 Meridian St.
†Atkinson, Frances Eleanor	Kansas	1822 Mass. Ave.
Austin, Sadie M.	Md.	122 Willow Ave., Takoma Park, Md.
Avery, Hastings Palmer	D. C.	1220 11th St.
†Bailey, Ethel	D. C.	25 Rock Creek Church Road
Bain, Goergie B.	Texas	1412 Mass Ave.
Baird, Alice Louise	N. C.	1636 Irving St.
*Baker, Abby Gunn	D. C.	Clifton Terrace, West
†Baker, Caroline B.	Ohio	712 B St. S. W.
†Baker, Mary Sutherland	D. C.	4925 Conduit Road
*Baldwin, Mary A.	N. Y.	Kenesaw Apts.
*Ballard, Mary	Texas	1319 K St.
†Bambery, Anne	Minn.	2228 Decatur Place
Baragwanath, Genevieve	Ill.	1669 Columbia Road

Barbour, Elizabeth M.	N. Y.	1501 Irving St.
Barker, Dolly Beatrice	Ohio	1778 Lanier Place
Barnes, Florence Hills	D. C.	1425 Chapin St.
*Barnes, Medora E.	D. C.	1501 Hamilton St.
*Barnhart, Eleanor T.	D. C.	53 W St.
Barr, Courtland H	Del.	917 East Capitol St.
*Bartlett, Donald Saulsbury	Idaho	1739 P St.
*Bartlett, Lila May	Tenn.	1838 Jackson St. N. E.
*Barton, Mrs. W. M.	D. C.	1730 Conn. Ave.
*Bassett, Samuel B.	D. C.	211 Rock Creek Church Rd.
Bates, Elizabeth M.	Ill.	1022 11th St.
*Battson, Amy Ellen	D. C.	1100 Euclid St.
Baumonk, Ross S.	Ind.	1739 P St.
Baur, Martha M.	Mich	3012 13th St.
Beach, Jessie G.	Texas	717 21st St.
*Beavers, John Marbury, Jr.	D. C.	1752 Columbia Road
Beechwood, Viola	Kans.	601 E St.
Beidleman, Margaret D.	Pa.	1229 Conn. Ave.
Bell, Florence Colfax	N. Y.	3149 Mt. Pleasant St.
*Bell, Hattye	N. C.	1202 18th St.
Bell, Virginia Lee	Va.	1332 15th St.
†Belt, Helen Walton	D. C.	720 H St. N. E.
Benham, F. Mae	D. C.	1354 Parkwood Place
Bennett, Kenneth Leonard	N. Y.	Clarendon, Va.
†Bennett, Martha D.	D. C.	4322 14th St.
†Bergholz, Anita L.	D. C.	1217 30th St.
Berry, H. B. A. B., 1914; LL.B., 1915, University of Iowa	Iowa	Munitions Bldg.
Berry, Indianola M.	Ill.	110 Seaton Place
†Bholes, Elma E.	Wis.	413 Quincy St.
Bickel, Gertrude Marie	Pa.	2010 O St.
Bickel, Marion Louise	Pa.	2010 O St.
Bier, Robert Allan	D. C.	660 K St. N. E.
*Billingsley, Connie	Miss.	728 3d St. S. E.
*Birnie, Martha Noyes A. B. 1915; A. M. 1916 George Washington University	D. C.	1711 19th St.
Blackman, Mary	Kans.	1730 First St.
Blackshear, Paul David	Ga.	1314 Mass. Ave.
Blake, Ramona E.	Md.	Hyattsville, Md.
†Blosser, Bessie E.	Pa.	1719 13th St.
*Blosser, Nellie B.	Ohio	200 A St. S. E.
Blystone, Morning E.	Ind.	1347 L St.
*Boardman, Martha A.	Wash.	1854 Ontario Place
Boland, May Frances	D. C.	2113 N St.
*Bonnette, Eva M.	Okla.	618 O St.
*Booth, Elizabeth M.	D. C.	2516 13th St.
Boswell, Frances R.	D. C.	238 New Jersey Ave.
Bowers, Miriam Grace	Wis.	6th and B Sts.
*†Bowie, Evangeline	Tenn.	1333 12th St.
Bowie, Josephine M.	D. C.	3712 Patterson St.
†Bowman, Jessie Elma	D. C.	920 D St. N. E.
*Boyne, Caroline	D. C.	1309 Fairmont St.
Boynton, Amy Cann	Ohio	Glen Echo, Md.
Braden, Mozelle Elizabeth	D. C.	4002 Kansas Ave.
Bradfield, Mary Elizabeth	Ind.	1219 Fairmont St.

Bragg, Mary A.	Okla.	1635 Irving St.
*Brandes, Gertrude	Texas	1748 S St.
*Brandt, Lola	Wis.	X-Y Bldg., Govt. Hotels
*Brauner, George Lester	Va.	1012 New Hampshire Ave.
*Bray, Blanche R.	Ill.	2004 G St.
†Brigham, Esther Marion	Mass.	821 North Car. Ave. S. E.
Bright, Daisy	Miss.	1818 H St.
†Brilmyer, George Joseph	D. C.	45 Q St. N. E.
†Brinly, Mary	Ohio	A-B Bldg., Govt. Hotels
Bristol, Katherine F.	Ill.	1804 Kilbourne Place
*Brock, Dorothy F.	D. C.	1833 Irving St.
Brock, Jessie	D. C.	717 21st St.
*Brown, Agnes Marjorie	Iowa	1921 N St.
†Brown, Dorothy Thornton	Mo.	1822 Mass Ave.
*Brown, Geneva A.	Me.	1854 Ontario Place
*Brown, Hazel G.	Ill.	67 Adams St.
*†Brown, Isabel	N. M.	901 M St. N. W.
Brown, Mabel A.	Ill.	A-B Bldg., Govt. Hotels
Brown, Mary Agnes	D. C.	4606 15th St.
*Brown, Mary Lavinia	Mass.	3459 14th St.
Bruce, Edmond	D. C.	731 Rock Creek Church Road
Buckingham, Lelah	Ind.	1316 New Hampshire Ave.
Buckley, Ruth	Mo.	2433 18th St.
*Buder, Charles M.	N. J.	1824 New Hampshire Ave.
*Buie, Mazie	Miss.	1448 Girard St.
Buker, Lucy M.	Va.	2506 K St.
Litt. B., 1916, Boston University		
Burch, Ruth Reid	Ga.	2120 P St.
†Burchard, Ethel M.	D. C.	1800 K St.
*Burchfield, Henrietta	N. Y.	721 19th St.
*†Burgess, Majorie S.	D. C.	2530 13th St.
*Burk, Carolina	Ind.	2509 17th St.
Burke, Thomas Francis	Mass.	322 11th St. S. W.
*Burket, Rhees Evans	Md.	Chevy Chase, Md., R.F.D. 2
*Burnett, Elizabeth	D. C.	2114 LeRoy Place
*Burnham, Helen	D. C.	1338 Fairmont St.
Burnham, Sara Florence	N. Y.	Munitions Bldg.
*Burrell, Henrietta	D. C.	3401 Wisconsin Ave.
*Bush, Gladys A.	Ill.	36 W St.
Bushong, L. D.	Va.	2201 K St.
*Butler, Eloise M.	Va.	3347 18th St.
Butler, Iris Mary	Ga.	2164 Florida Ave.
†Butler, Nicholas George	Conn.	Georgetown University
Caldwell, Millard L.	Va	Clarendon, Va.
Callahan, Vincent Frances	D. C.	1729 North Capitol St.
Calvin, Jeannette Malinda	Ind.	1536 16th St.
Cameron, Daniel A.	Ill.	74 V St.
Campbell, Jean Thompson	D. C.	301 8th St. N. E.
Campbell, Myrtle	Ala.	1358 Harvard St.
*Carlstedt, Alfhild M.	Minn.	1335 Columbia Rd.
†Carmichael, Virginia Tucker	D. C.	Stoneleigh Court
Carmody, F. J.	Ill.	1419 Columbia Rd.
Carroll, Ellen Lee	Miss.	811 10th St.
Carroll, Helen Catherine	Ill.	2408 K St.
Cartan, Margaret S.	D. C.	20 New York Ave., Takoma Park, D. C.

Carter, Agnes A.	D. C.	1314 B St. S. W.
*†Carter, Gertrude I.	Va.	The Cairo
Case, Alice D.	D. C.	The Cordova
Ped. B., 1916, Berea College		
*Castleman, Frances F.	Va.	East Falls Church, Va.
*Cavanagh, Jeanette	D. C.	4011 Marlboro Pl.
*Cawood, Lucile	D. C.	1418 21st St.
Cecil, Gertrude E.	D. C.	3425 16th St.
Chace, Marian	D. C.	5300 Belt Rd.
†Chamberlain, Dorothy	Md.	Garrett Park, Md.
Cheek, Mildred	D. C.	201 E St. S. E.
*Chen, Queh King	China	103 2d St. N. E.
Chickering, Elizabeth E.	N. H.	1639 W St. S. E.
Chilimidos, James	D. C.	309 9th St.
Christian, Corinne C.	La.	3711 Huntington St.
Christian, John Farrar	D. C.	1348 Euclid St.
†Churchill, Doris E.	N. Y.	1800 New Hampshire Ave.
*Churchill, Virginia H.	Mo.	N-O Bldg., Govt. Hotels
*Cincevich, Kate	D. C.	The Northumberland
Clark, Elizabeth H.	D. C.	Station No. 2, New York Ave.
Clark, Grace	N. Y.	1110 P St.
Claveloux, Irene C.	D. C.	2000 North Capitol St.
Claveloux, Marie K.	D. C.	2000 North Capitol St.
Clay, Wava Frances	Md.	1350 Kenyon St.
*Clendenin, Wilda	Penn.	1122 13th St.
Cleveland, Marion Elinor	Md.	Kensington, Md.
Clifton, Kathryn	D. C.	1425 Belmont St.
*†Cloyd, Esther A.	Kans.	1431 California St.
Coates, Bruce	Miss.	1318 Harvard St.
Cobb, Auda C.	Mo.	1428 Clifton St.
†Cockrell, Margaret Louise	Va.	1352 Parkwood Pl.
Cohen, Mollie	Ohio	2016 P St.
Colburn, D. Althea	Mich.	5 Iowa Circle
†Colburn, George F.	D. C.	1942 2d St.
Cole, Agnes B.	D. C.	1726 Park Rd.
Cole, Lottie M.	N. Dak.	R-S Bldg., Govt. Hotels
Coleman, Charles Hubert	D. C.	American University Pk.
*Collier, Gertrude Alice	Penn.	1341 A St. N. E.
Colville, Elizabeth	Tenn.	2514 Ontario Rd.
Comer, Jennie E.	Minn.	1754 Kilbourne Pl.
Conner, George Langley	D. C.	5206 Illinois Ave.
*Connington, Mary G.	Calif.	X-Y Bldg., Govt. Hotels
Convey, Anna	Wis.	2408 K St.
Coogle, Anna Belle	Iowa	310 Indiana Ave.
†Cook, Charles Morris	D. C.	1110 Park Rd.
*Cook, Harriet Irene	Ill.	P-Q Bldg., Govt. Hotels
†Cook, Mary L.	Miss.	2300 18th St.
†Cook, Vivien E.	Miss.	104 Woodley Apts.
*Cooper, Edwin Wainwright	Conn.	918 16th St.
†Corbett, Frances	D. C.	535 Cedar St., Takoma Park, D. C.
Cornell, Mary Neville	D. C.	2434 Pennsylavnia Ave.
*Cornwell, Annie Bolton	Va.	100 Grafton Ave., Clarendon, Va.
Cosgrove, Margaret F.	Minn.	St. Vincent's Villa
*Coulon, Genevieve J. F.	D. C.	1022 Park Rd.

*Couture, Mildred L.	N. H.	1819 Adams Mill Rd.
Covington, Elizabeth	Tenn.	617 Quebec Pl.
*Cowan, Esther W.	N. Y.	124 Thomas St.
Cowgill, Paul	D. C.	1736 T St.
Cox, Carrie Majors	D. C.	606 Butternut St., Takoma Park, D. C.
Cramer, Alma H.	D. C.	2036 1st St.
*Cramer, Iverna L.	D. C.	2036 1st St.
*Crandall, Ada Elizabeth	D. C.	1873 Newton St.
*Crider, Mary L.	Ohio	3321 Holmead Pl.
*Credle, Kate	N. C.	1440 M St.
*Croft, Lorena Belle	Md.	940 22d St.
Crocker, William Mortimer	D. C.	Congress Hall Hotel
Cromwell, Virginia Richards	Ky.	1432 M St.
Cronin, Herbert Thomas	Mass.	719 11th St.
Crossman, Florence C.	Va.	East Falls Church, Va.
*Crowley, Kathleen	Conn.	3449 14th St.
Cullen, Sara L.	Va.	1105 O St.
*Cully, Ruby M.	Ill.	2004 G St.
†Culp, Ruby L.	Okla.	1343 Park Rd.
*Curry, Charles Forrest	Calif.	House Office Bldg.
*Curry, Iris	Miss.	500 East Capitol St.
Dady, Roy C.	D. C.	650 L St. N. E.
Daly, L. Nugent	N. Y.	1110 M St.
Dameron, Marjorie	Tex.	1129 Girard St.
Danforth, Louisa A.	D. C.	2264 Mt. View Pl. S. E.
*Daniel, Robert Clinton	D. C.	Y. M. C. A.
*Davenport, Blanche L.	Mass.	1231 20th St.
Davis, Emily Cleveland	D. C.	1305 N St.
†Davis, Jeannette	Ind.	1756 Columbia Rd.
*Davison, Florence	Ohio	3547 Holmead Pl.
†Deatherage, Alice Pauline	D. C.	1101 Euclid St.
DeBord, George Gorham	Okla.	205 A St. S. E.
Deckler, Vera I.	D. C.	1209 Girard St.
DeLaney, Elizabeth V.	D. C.	The Northumberland
Deming, George M.	D. C.	3903 Grant Rd.
Denton, A. Geneva	Tenn.	1531 Vermont Ave.
†deSparre, John	D. C.	1819 G St.
*†Dillard, Amy Bonnie	Ky.	X-Y Bldg. Govt. Hotels
Doig, Nan Adam	D. C.	1114 Vermont Ave.
*Doing, Eleanor E.	D. C.	1726 Newton St.
†Donaldson, Elsa	D. C.	20 R St. N. E.
*Dorman, Sadie Virginia	Penn.	1411 Newton St.
Dortsch, William Baskervill	D. C.	1510 Park Rd.
*Dougherty, Dorothy	N. Y.	1119 I St.
*Dougherty, Edella M.	D. C.	1451 N St.
*Downes, Mary	Calif.	1110 P St.
Doyle, Ethel A.	Ill.	4901 13th St.
*†Draper, Lydia S.	D. C.	The Mendota
†Draper, Mildred T.	D. C.	The Mendota
Drew, Alice Eunice	Fla.	1922 Belmont Rd.
†Drew, Erma	Ill.	1209 Girard St.
Drew, Marietta E.	Fla.	1922 Belmont Rd.
*Drollinger, Nona F.	D. C.	2011 F St.
Duff, Evelyn G.	Mich.	3311 Ross Pl.
DuMond, Marion	N. Y.	1366 South Carolina Ave.S. E.
Dunin, Stanislau M.	Wis.	107 Carroll Ave. S. E.

†Dunn, Hasseltine	D. C.	1449 Fairmont St.
Dutton, Lillian B.	D. C.	912 Kennedy St.
*†Dyer, Jane	D. C.	Govt. Hotels
Eccles, Parley P.	Utah	Senate Office Bldg.
Eckard, Illinois	Ill.	2134 Flagler Pl.
Eckel, J. Charles	Md.	Lincoln Hotel
Eckels, Virginia	D. C.	2122 LeRoy Pl.
Eckman, Lulu Lee	Ohio	3914 Huntington St.
*Edgerly, Nina	N. H.	R-S Bldg., Govt. Hotels
Ehringer, Lula A.	Ind.	2112 F St.
†Eleston, Mary R.	Wis.	1420 R St
†Eliason, Mary E.	D. C.	1712 17th St.
†Elliott, Edith Louise	D. C.	1006 B St. N. E.
*Elliott, John E.	D. C.	1722 21st St.
*Ely, Kathleen E.	Iowa	V-W Bldg., Govt. Hotels
Embry, William Edwin;	Fla.	2443 14th St.
Engle, Byron E.	Ill.	1741 Church St.
*†Engle, Helen Lorraine	Texas	1308 Rhode Island Ave.
Eppler, Meta F.	Md.	C-D Bldg.; Govt. Hotels
A. B. 1914, Western Maryland College		
*Erickson, Esther S.	D. C.	18 Bryant St.
Ernsky, Helen Mildred	N. Y.	1122 13th St.
Escher, Julia M.	Ariz.	1412 15th St.
†Esgate, Edith	Iowa	2506 K St.
†Evans, Norma B.	N. Y.	1234 Mass. Ave.
Exley, Clarence M. Jr.,	D. C.	1449 Monroe St.
Fairfield, Myra O.	Ind.	1760 Euclid St.
*Farlee, Helen May	D. C.	636 Irving St.
Farlin; Vivia S.	D. C.	2201 Potomac Ave.
Farnham, Edith Dean	Mich.	1933 Park Road
Farnham, Lillian Parker	Md.	224 Woolton Ave., Chevy Chase, Md.
Farrell, Agnes M.	D. C.	1424 Clifton St.
Farris, May	Ind.	3539 13th St.
*Feer, Elizabeth Anna	Mass.	1754 Columbia Road
Ferebee, Cora Bouchelle	N. C.	1812 H St.
*Fetter, Helen Harriett	D. C.	1526 29th St.
Fifield, Vera Evelyn	Mass.	1801 California St.
*†Finagin, LeRoy	D. C.	3210 9th Pl. S. E.
Fischer, Helen Regina	D. C.	1744 Lanier Place
*Fisher, Aline M.	Ind.	1826 Calvert St.
*Fitzgerald, Tersea	D. C.	P-Q Bldg., Govt. Hotels
*Flaherty, Emery Robert	Va.	Herndon, Va.
Flanagan, Mildred V.	Va.	3288 Hiatt Place
*Fleming, Jean B.	Ill.	V-W Bldg., Govt. Hotels
*Fletcher, Lillian Hilda	Vt.	1489 Newton St.
*Fletcher, Pearl A.	Mich.	42 Rhode Island Ave.
Flinn, Theresa M.	Pa.	2304 First St.
*Flood, Genevieve	D. C.	1322 Mass. Ave.
Flynn, Alice W.	N. Y.	2603 Mozart Place
*Foley, Mae C.	Wis.	56 Channing St.
Ford, Doris Lillian	Mass.	1240 11th St.
Foreman, Genevieve	Ill.	1256 Columbia Road
*†Foster, Anita H.	D. C.	1505 22d St.
*†Foster, E. M.	D. C.	1505 22d St.
Fraker, Ada Ellen	Tenn.	1124 12th St.

Fraker, May	Tenn.	1124 12th St.
Frantz, Frieda A.	N. Y.	1416 R St.
Freeman, Elsie M.	Ill.	1150 North Capitol St.
*Freeman, Harriet A.	Ore.	2117 G St.
Frey, Mabel Joyce	D. C.	1448 Park Road
*Frix, Laura Gordon	Ga.	Copley Courts
Froats, Gladys Ethel	Minn.	113 Kentucky Ave. S. E.
Frye, Ina Lee	W. Va.	815 Conn. Ave.
Fuller, Louise	Ill.	436 10th St.
Futterer, Lulu M.	D. C.	1446 N St.
*Gahn, Bessie W.	D. C.	East Wardman Courts
*Galbraith, Esther E.	D. C.	3425 14th St. N. E.
A. B., 1914, George Washington University		
Gale, Ellen F.	Minn.	Maryland Apt.
*†Gans, Wilhelmina Burton	D. C.	The Iowa
Garber, Elsie S.	D. C.	1480 Harvard St.
Gardner, Kathryn	Mo.	1318 Harvard St.
Garges, Isabel Anne	D. C.	1834 Calvert St.
Garratt, Inez E.	N. Y.	1336 11th St.
*Garrett, Betty B.	Pa.	1815 18th St.
†Garrett, Edna S.	N. Y.	V-W Bldg. Govt. Hotels
*Garvin, Ruth I.	Ind.	617 M St. N. E.
*Garziglia, Marie Howe	D. C.	2017 I St.
Gates, Isabel Likens	D. C.	2735 Ontario Road
*Gates, Margaret I.	D. C.	2735 Ontario Road
Gates, Phebe Chappell	D. C.	1901 18th St.
*Gaughan, Frank J.	Pa.	1226 Mass. Ave.
Gault, Anna Caroline	N. Y.	508 5th St.
Gerber, Ella M.	D. C.	701 Florida Ave.
*Gerber, Helen Cathernie	D C.	The Iowa
Gessford, Roger D.	D. C.	2536 14th St.
Gibson, Margaret C.	N. Y.	1206 Lamont St.
Gilpin, Bettie	D. C.	14 Concord Ave.
Glancy, Mary Ella	Kans.	1110 M St.
Gleason, Mary Hannah	Mass.	I-K Bldg., Govt. Hotels
Gleissner, Gretchen L.	Minn.	633 Kenyon St.
Glenn, Amy	Texas	1325 11th St.
Glenn, Sue Kathryn	Texas	1325 11th St.
Goddard, Eunice F.	Me.	112 Varnum St.
Goehring, Richard E.	Pa.	5102 14th St.
Gold, Deborah Ida	Mass.	Tuxedo Apts.
†Gorman, John I.	D. C.	1317 Columbia Road
†Gott, Mary E.	Mo.	1311 14th St.
Graham, Aline Stocks	Va.	76 Monmouth Ave., Cherrydale, Va.
†Graham, James G.	N. Y.	Walter Reed Hospital
Graham, Lucile A.	Va.	Arlington, Va.
Graham, Mary Edith	D. C.	3015 Dunbarton Ave.
Grammer, Elizabeth	Va.	3062 Q St.
*Graves, Florence A.	D. C.	Smithsonian Institution
Gray, Winifred A.	W. Va.	G-H Bldg., Govt. Hotels
Greenleaf, Walter James	Me.	1012 17th St.
Greenup, Nell Blanche	Mo.	1910 16th St.
*†Greer, Christine Ann	D. C.	207 S St.
Gregory, L. Blanche	N. C.	1733 P St.
Griffith, Hazel Elizabeth	D. C.	2116 Conn. Ave.

†Griffith, Olin N.	D. C.	2116 Conn. Ave.
Griffith, Virginia Roseberry	D. C.	2116 Conn. Ave.
†Grimminger, Anna S.	Pa.	119 12th St. N. E.
Groncke, Christine	Md.	Brentwood, Md.
*Grosvenor, Lulu E.	Iowa	212 2d St.
Guest, William Henry	S. C.	612 3d St.
†Gunnells, Martha	Md.	722 18th St.
Gunnison, Elizabeth I.	Neb.	216 E St. N. E.
Gunter, Dorothy C.	D. C.	1445 Mass. Ave.
*Haas, Frieda K.	Ohio	2507 17th St.
Hagemann, Eleanor Felicitas	Germany	2141 Wyoming Ave.
*Halderman, Charlotte D.	Pa.	1358 Harvard St.
*Haley, Therese V.	D. C.	1341 Perry Place
*Haliday, Josephine Bromley	Pa.	608 A St. S. E.
*Hall, Nettie Ruth	Ill.	808 Mass. Ave. N. E.
†Halley, Ella I.	Md.	Mt. Rainier, Md.
*Hallinan, Mary L.	D. C.	1723 Euclid St.
*Halverson, Lillian Grace	S. Dak.	1028 16th St.
*Ham, Mary Lucy	N. Y.	401 6th St
*Hamelin, Grace Cecilia	Mass.	1495 Newton St.
Hamilton, Anna Mary	Pa.	626 D St. N. E.
*Handy, Marie Breckenridge	D. C.	1937 Park Road
Hanley, Loretta M.	Vt.	1304 Fairmont St.
†Hannah, George M.	D. C.	608 I St. S. E.
*Hannon, Alleta	D. C.	2120 G St.
*†Hansen, Dora	Va.	Vienna, Va.
*Happer, Helen Cameron	Canada	1443 Belmont St.
*Hardy, Conya L.	S. C.	1916 G St.
*Hargett, Helen Ruth	Kans.	1710 P St.
Harris, Anna Mary	Ill.	1717 17th St.
*Harris, Birdie	Texas	1736 F St.
Harris, M. Marie	Ill.	1717 17th St.
†Harris, Pauline Elizabeth	D. C.	2306 First St.
Harris, Philip R.	D. C.	1870 Monroe St.
Harrison, Margaret T.	N. J.	The Alabama
Harrison, Mary I.	D. C.	619 23d St.
Hartman, Alfred A.	Conn.	3456 Newark Ave.
*Harvey, Abigail	D. C.	2146 Florida Ave.
Harvey, Nelle S.	Texas	1315 P St.
*Haslup, Leanore A	D. C.	2114 18th St.
*Hausman, Mary Louise	D. C.	2347 Ashmead Place
Hay, Mary M.	Conn.	L-M Bldg., Govt. Hotels
Hayes, Mary Aletha	Ind.	1515 Mass. Ave.
†Haynes, Henry	D. C.	1910 G St.
Heal, Bernice India	Ind.	629 Lexington Place
†Healy, Thomas Patrick	D. C.	58 Rhode Island Ave.
Hearin, Jamie Holcombe	Ala.	1901 Wyoming Ave.
Heath, Lucille O.	Wis.	1839 16th St.
Heath, Myrtle L.	Wis.	1839 16th St.
*Hebb, Virginia E.	Md.	1205 15th St.
†Hedden, Eva M.	D. C.	1908 Belmont Road
Heflin, Cecil Randolph	Va.	1226 13th St.
*Heidler, Antoinette Marie	Ill.	P-Q Bldg., Govt. Hotels
Hein, Yrsa	N. Y.	Wardman Courts, West
Heiss, Margaret E.	D. C.	3712 Keokuk St.
†Heitmuller, Helen P.	D. C.	1505 22d St.
†Henderson, Emma Louise	Colo.	1414 16th St.

Henderson, Bertha	D. C.	2613 13th St.
*Henderson, John Raymond	D. C.	3803 Keokuk St.
*Hendrikson, Lydia	D. C.	1638 15th St.
*Henske, Godfrey W.	Mo.	Walter Reed Hospital
Herbert, James W.	D. C.	2020 G St.
Herring, Annie F.	N. C.	128 E st. S. E.
*Herring, Eleanor Emma	W. Va.	1326 Park Road
*Hester, Margaret	D. C.	2114 G St.
†Hettman, Ann M.	Ill.	1104 M St.
Hickey, Mary J. C.	D. C.	516½ 2d St. S. E.
*Hiley, Marihue	Ala.	64 Randolph Place
Hironimus, Helen C.	Ind.	436 10th St.
*Hoagland, Margaret Todd	D. C.	The Cordova
†Hochwalt, Earl B.	Ohio	Walter Reed Hospital
Hoff, Flora S.	N. Y.	1316 Euclid St.
Hoffman, Dale Elizabeth	Mo.	1929 Calvert St.
Hole, Myra Cadwalader	D. C.	308, The Lonsdale
Hollingsworth, Faye	Okla.	Fontanet Courts
Hollingsworth, George Wayne	Okla.	Fontanet Courts
†Holmes, Edith F.	S. Dak.	2320 G St.
Holmes, Grace Bruce	D. C.	721 Shepherd St.
*Holmes, Mrs. William H.	D. C.	1454 Belmont St.
*Holmes, Ruth Madeline	D. C.	910 Webster St.
†Holt, Ralph Manning	N. C.	1600 Rhode Island Avenue
*Hooker, Blanche F.	Ill.	2009 N St.
*Hoover, Martha A.	D. C.	1340 Irving St.
Hope, Mary	D. C.	1733 Q St.
Hopkins, Helen Hill	D. C.	1926 Biltmore St.
Horan, Agnes C.	N. Y.	P-Q Bldg., Govt. Hotels
†Hornthal, Henry Amiss	Va.	1717 35th St.
Houghton, Grace L.	Mass.	313 A St. S. E.
*Hout, Harry L., Jr.	Va.	2015 Flagler Place
Howe, Louise Marguerite	N. Y.	2137 LeRoy Place
Howlett, Bessie	D. C.	1000 22d St.
Hromatko, Jane S.	Iowa	1634 19th St.
Hubbs, Wilma M.	W. Va.	201 Tenn. Ave. N. E.
Huber, Arista	Ohio	58 Bryant St.
†Hudson, Teresa E.	Va.	1010 New Hamp. Ave.
†Huff, Fannie Mae	Tenn.	206 13th St. N. E.
*Hulett, Alice M.	D. C.	108 9th St. S. E.
*Humphreys, Elizabeth Fontaine A. B., 1916, Sophie Newcomb College	Miss.	1819 G St.
*Hunt, Leslie L.	Ill.	5219 Georgia Ave.
Hurst, Lee Nora	Ky.	621 Rock Creek Church Rd.
Hyer, Grace L.	D. C.	1332 9th St.
Hynes, William Joseph	Mass.	715 Lawrence St.
Hyslop, Clarence Monroe	Neb.	2519 Hall Place
*Iehl, Laurel E.	D. C.	Cumberland Apts.
†Iles, Christine	Kans.	1207 Delafield Place
*Irvine, Thomas B.	D. C.	443 10th St. N. E.
Ivey, Edward	Tenn.	210 B St. S. E.
*Jackson, Edith Pauline	Ind.	130 12th St. S. E.
Jackson, John Virgil	Mo.	1507 30th St.
†Jackson, Walter W.	D. C.	203 Fontanet Courts
James, Minnie Margaret	D. C.	3317, General Land Office

*†Jaques, Dorothy Sibyl	D. C.	217 3d St. S. E.
Jeffers, Claribel	Ala.	214 2d St. N. E.
Jennings, Harry Parker	D. C.	1136 Buchanan St.
*Jermain, Nina Laurette	Mich.	1209 O St.
Jerman, Anne Elizabeth	Ohio	1764 U St.
Jerman, Edith Catherine	Ohio	1764 U St.
Jermyn, Marion Sherlock	D. C.	908 11th St.
Jerolaman, Vera N.	Iowa	1315 K St.
Jervis, C. Marie	Md.	Fontanet Courts
†Jewett, Elizabeth Alice	N. Y.	214 B St. S. E.
Joesting, Alice Lillian	Ill.	1858 California St.
*Johnson, Catherine K.	D. C.	2108 16th St.
*†Johnson, Esther	D. C.	214 5th St. S. E.
Johnson, George W., Jr.	Md.	204 11th St. S. E.
Johnson, Margaret L.	D. C.	1404 Emerson St.
Johnson, Minnie Josephine	Ill.	2300 18th St.
Johnson, Roger C.	D. C.	1324 Vermont Ave.
Johnston, Marie A.	Mass.	1929 18th St.
*Johnston, Zadye	N. Y.	1617 19th St.
*Jonassen, Ingrid	N. Y.	10 Rhode Island Ave.
Joyce, Sara J. M.	Mass.	L-M Bldg., Govt. Hotels
*Justice, Margaret	N. C.	2113 Bancroft Place
*Kain, Helen Gladys	D. C.	G. W. U. Medical School
A. B. 1917, George Washington University		
*Kalaboke, Kynake Lillian	D. C.	637 F St.
Kaufmann, James L.	Pa.	1135 17th St.
Keel, Susie	D. C.	1316 K St.
*Keesler, Betty M.	Conn.	1501 16th St.
*Keliher, Nellie M.	D. C.	3455 14th St.
†Keller, Esther Mary	D. C.	736 12th St.
*Keller, Rilla Mae	Pa.	2126 H St.
Kelly, Florence Claire	Pa.	1014 Vermont Ave.
Kemp, Daisy B.	Mo.	War Risk Bureau
*Kennedy, Dorothea	Wash.	2120 O St.
Kerr, Nell W.	N. C.	656 Mass. Ave.
*Kessinger, Marguerite D.	Pa.	2137 LeRoy Place
Kessler, Mary L.	Ind.	Sherman Apts.
*Kiefer, Alpha H.	Mont.	3521 14th St.
*Kiefer, Clarence M.	Pa.	2113 N St.
King, Merrill Barnett	Ill.	1739 P St.
Kirk, May Towles	Md.	308 F St.
Kirkpatrick, Mary Regina	Mass.	22 R St. N. E.
†Kirschner, Samuel	D. C.	1439 Chapin St.
*Klauser, Edna Marie	Ill.	1307 29th St.
*Klauser, Geneva Lucille	Ill.	1307 20th St.
Klepinger, Edith M.	Ill.	Monmouth Hotel
Knisely, Edna	Ind.	130 12th St. S. E.
†Kochy, Genevieve	Mich.	1113 11th St.
Kral, Georgiana	D. C.	1814 Kilbourne Place
†Kramer, Charles Frederick, Jr.	Md.	College Park, Md.
Krider, Ida Frank	Kansas	1362 Newton St.
†Krienhagen, Inez M.	Ind.	1416 K St.
*Krotzer, Margaret E.	Iowa	1712 17th St.
Kuhlman, William D.	Va.	1938 Biltmore St.
†Kuschke, Lillien B.	Texas	3701 14th St.

Kutz, Miriam L.	Ind.	1227 15th St.
Ladd, Mary B.	D. C.	1781 Columbia Road
*Lambert, Aileen J.	N. Y.	2540 14th St.
*Lancaster, Olive	W. Va.	201 Tenn. Ave. N. E.
†Lancaster, Ruth Ellen	Ill.	X-Y Bldg., Govt. Hotels
†Lander, Kathryn Douglas	Ky.	217 Falkstone Courts
Lane, Mable	Wash.	E-F Bldg, Govt. Hotels
Langworthy, Doris W.	D. C.	1424 Madison St.
†Larsen, Arnold Conrad	D. C.	Marine Barracks
*Larson, Eve Pearle	Ill.	1929 Calvert St.
Lasker, David Harold	Mass.	The Maury
A. B., 1919, Boston University		
*Latimer, Blanche	Mo.	1100 New Hamp. Ave.
†Latimer, Margaret E.	Md.	U. S. Geological Survey
*Laurence, Elsie H.	Canada	41 Girard St. N. E.
Law, Ada Cooper	Fla.	706 11th St.
†Lawson, Edward Burnett	D. C.	206 13th St. N. E.
Leahy, Emelia A.	Ill.	1705 13th St.
*Leggett, Florence M.	Md.	104 Raymond St., Chevy Chase, Md.
*Lehmann, Marie C.	D. C.	420 East Capitol St.
Leighton, Sarah Jane	D. C.	2141 Wyoming Ave.
Lennon, Jessie M.	Pa.	10 Rhode Island Ave.
*Leslie, Ruth	Miss.	1740 K St.
Lesser, Isador	Mass.	925 N St.
*Levinson, Katherine	D. C.	623 M St.
†Lewis, Catherine deMille	N. Y.	744 Newton St.
†Lile, Carolyn Word	D. C.	517 Park Road
Lintz, Dorothy	N. Y.	2506 K St.
Little, Annie S.	Ohio	R-S Bldg., Govt. Hotels
Livingston, Louis	D. C.	2511 14th St.
*Livingston, Nora E.	Ore.	X-Y Bldg., Govt. Hotels
Locke, Vernie M.	N. Y.	Clarendon, Va.
*Lockridge, Richard O.	Mo.	1355 Monroe St.
Lockwood, Mary Morris	N. J.	1729 H St.
Lohmann, Blanche	D. C.	429 4th St. N. E.
Lohrer, Florence	Ohio	729 3d St. N. E.
Loney, Howard C.	D. C.	712 Rock Creek Church Rd.
*Long, Carleton Mansfield	Md.	Smithsonian Inst.
Long, William Slaughter	D. C.	621 Lexington Pl. N. E.
Longfellow, Alice	Neb.	41 Girard St. N. E.
†Love, Ellen L.	Va.	3746 McKinley St.
Loveless, Ruah C.	D. C.	1820 K St.
Lucas, Harry T.	D. C.	1869 Wyoming Ave.
*Lukens, Dorothy H.	D. C.	1721 21st St.
*Lukens, Ruth Anna	D. C.	2402 14th St.
†Lutis, Maude	Ky.	1639 W St. S. E.
Lynn, Hylda Marie	Fla.	926 B St. S. W.
*†McCabe, Jeanette	N. C.	1259 New Hamp. Ave.
*†McCall, M. Pearl	Idaho	139, Senate Office Bldg.
*McCandless, Ida	Mo.	2055 Park Road
*McCarthy, Deborah A.	Va.	Cherrydale, Va.
McCarthy, William Anthony	Va.	Cherrydale, Va.
McCarty, Oneta	Wash.	1439 Park Road
*McClain, Anna Bradford	Mo.	808 Mass. Ave. N. E.
*†McClelland, Vesta G.	Ill.	1424 R St.
*McCloskey, Catherine E.	Okla.	1354 Otis Place

McClurg, Blanche	Ind.	1527 O St.
McConnell, Mary Gladys	Texas	40 T St.
McCready, Helen B.	Canada	1501 11th St.
McCully, Letha M.	Okla.	1337 Park Road
*McElligott, Agnes B.	Ill.	4506 15th St.
*McFadden, Rennie	Pa.	1014 B St. S. E.
†McFarlane, Jennie G.	Wis.	1343 Park Road
McGovern, J. W.	D. C.	Chatham Courts
†McGovern, Mary Louise	D. C.	Chatham Courts
McGovern, Milton	D. C.	Chatham Courts
*McIntyre, Effie Caroline	D. C.	2006 Columbia Road
McJunkin, Maybelle	Ala.	3417 Holmead Place
McKelway, Alexander Jeffrey	D. C.	2071 Park Road
*McKinney, Myrna Estella	Pa.	608 A St. S. E.
†McMullin, Della Marie	Ill.	231, The Portner
*McNamara, Elizabeth G.	N. Y.	1350 Monroe St. N. E.
McNulty, Katherine S.	Colo.	323 2d St. S. E.
†MacBride, Nellie M.	Pa.	601 E St.
†MacDonald, Junius Roumaine	N. C.	1736 G St.
†MacDougal, Helen A.	Ill.	1321 Belmont St.
*MacIntosh, Lulu M.	D. C.	821 North Car. Ave. S. E.
†Mackevrican, Margaret	Pa.	487 F St. S. W.
*MacSweeney, Elizabeth Frances	Mass.	1401 Emerson St.
†Madeira, Elizabeth B.	Ohio	1467 Monroe St.
*Magee, Dimple	D. C.	1448 Girard St.
Magie, Hazel	Md.	Bethesda, Md.
Mague, Ethel M.	Mass.	1603 G St. S. E.
*†Mahood, F. Mildred	Pa.	1841 Mintwood Place
*Malcolm, Edwina Rose	N. Y.	1840 North Capitol St.
*Mallory, Walter L.	Va.	Cherrydale, Va.
Maloney, Emma J.	D. C.	The New Berne
Manchester, Anne J.	Pa.	The Ethelhurst
*Manderschied, Jane Tompkins	D. C.	1412 Mass. Ave.
*Mangum, James Evans	Ga.	802 21st St.
Manning, Clyde A.	Ga.	1306 Euclid St.
Marcus, Ida F.	Pa.	P-Q Bldg., Govt. Hotels
Marlow, John Howard	D. C.	The Kenesaw
†Marlowe, Mabel	Okla.	219 A St. S. E.
*Marsh, Dorothy	D. C.	1446 Fairmont St.
Marshall, Florence E.	N. H.	1343 Clifton St.
*Marshino, Ora	Ky.	Children's Bureau
*Martin, Clare C.	D. C.	709 Quincy Place
Martinson, Ellen	Minn.	1415 Mass. Ave.
Mason, Bess M.	Ky.	510 Randolph St.
*Mason, Faye	Ohio	1319 Mass. Ave.
Mathews, Claire	Colo.	400 A St. S. E.
*Mattern, John Henry, Jr.	N. Y.	1314 Mass. Ave.
*Maurer, Flora K.	Ill.	1412 Chapin St.
May, Caroline	Ill.	718 19th St.
*Meade, George A.	Mass.	The Maury
Mears, Atherton H.	D. C.	3917 Livingston St.
†Melencio, Jose P.	P. I.	2618 Conn. Ave.
*Menzie, Edna M.	N. Y.	1652 Park Road
*Mercer, Louise M.	Ohio	1319 Mass. Ave.

†Merrill, Blanche E.	D. C.	731 22d St.
†Merrill, Esther Irene	D. C.	731 22d St.
Merrill, Gwendolyn Irene	Ohio	1764 U St.
*Michot, Annie Eugenia	Texas	1812 N St.
Miles, Edith Caroline	Mass.	V-W Bldg. Govt., Hotels
*Miles, Mabel	Mont.	1252 Columbia Road
Miller, Claudia S.	Va.	337 North Car. Ave. S. E.
*Miller, Erma C.	Wis.	3600 New Hamp. Ave.
*Miller, Eva	Iowa	2506 K St.
†Miller, Hazel A.	Neb.	3327 17th St.
Miller, Maud L.	Mich.	504 B St. N. E.
*Miller, Ruth A. D.	Pa.	2120 P St.
Mills, Grace E.	Miss.	411c Wardman Park Hotel
†Minick, Romayne E.	Pa.	1116 Vermont Ave.
Minnix, Catherine	D. C.	1328 Randolph St.
Mix, Anna E.	Md.	113 Maryland Ave. N. E.
†Mixter, Paul	Mich.	1842 Calvert St.
†Moerman, Louis F.	Pa.	1343 Franklin St. N. E.
Molster, Jean Lawson	D. C.	934 Kearney St. N. E.
Mon, Ora May	Ill.	The Sherman
Monahan, Anne Rachel	N. J.	2501 Irving St.
*Monahan, Helen F.	D. C.	161 Rhode Island Ave. N. E.
*Monahan, J. Edith	Ind.	A-B Bldg. Govt., Hotels
*Monroe, Sarah Agnes	Va.	1840 Biltmore St.
*Moody, Luta M.	Mo.	1323 R St.
*Moore, C. L.	Tenn.	1735 F St.
*Moore, Julia Anne	Texas	115 I St.
*Moore, Paul H.	D. C.	1965 Biltmore St.
*Moran, Emily	Calif.	119 C St. N. E.
*Moran, Margaret Louise	D. C.	1727 Columbia Road
†Morey, Lilvan C.	Minn.	1412 Crittenden St.
Morgan, Aletha Julia	D. C.	47 Seaton Place
Morgan, Ralph E.	Pa.	721 Butternut St.
*Moseley, Elizabeth L.	Texas	918 M St.
*Moseley, Lucille C.	Ky.	1336 11th St.
*Mulcahy, Anna R.	Pa.	1412 Chapin St.
*Munro, Caroline Walker	N. J.	1413 Mass. Ave,
Murphy, M. Regina	Mass.	1318 Harvard St.
Murray, Esther L.	Md.	714 Upshur St.
†Murray, Thelma Marie	Ala.	1631 R St.
Muse, Benjamin	Va.	1833 M St.
*Myerly, Pauline	Ind.	The Cordova
†Myers, Brownie P.	Miss.	1116 Vermont Ave.
*†Myers, George Albert	D. C.	649 Md. Ave. N. E.
†Myers, Ruth	Ill.	1372 Kenyon St.
†Myers, Texie D.	Miss.	1116 Vermont Ave.
Nathanson, Esther	Va.	1414 12th St.
*Nauck, Oscar	D. C.	5808 Georgia Ave.
Naylor, Mary Bodine	D. C.	629 12th St. N. E.
Neidig, Christine Estelle	Pa.	37 Rhode Island Ave.
*Nelson, Carl Hilding	Mass.	Arlington, Va.
*Nelson, Ruth J.	D. C.	502 E St. N. E.
*Nestrom, Mathilda	Mich.	2560 University Place
Neuman, Viola M.	Va.	Clarendon, Va.
*Newell, William C.	N. C.	2511 14th St.
Newhouse, Charles A.	Ind.	214 New Jersey Ave.
Newhouse, Pansy E.	Ind.	214 New Jersey Ave.

Newhouse, Ruby M.	Ind.	214 New Jersey Ave.
Newman, Agnes M.	Va.	3617 New Hamp. Ave.
†Nichols, Alice Virginia	D. C.	517 Rhode Island Ave.
Nichols, Grace D.	Mass.	L-M Bldg., Govt. Hotels
Nichols, Lois	D. C.	4006 New Hamp. Ave.
Nichols, Stanley W.	Ill.	1346 Park Road
Nicholson, Fay M.	S. Dak.	1515 Mass. Ave.
Nicholson, Margaret M.	D. C.	1000 Maryland Ave.
Niemeyer, Ernestine	D. C.	1708 Lawrence St. N. E.
Nissen, Carl C.	D. C.	4203 Fessenden St.
*Nolan, Teresa Agnes	N. Y.	Monmouth Hotel
Noll, Hazel	Pa.	Y. W. C. A. Silver Spring, Md.
*Nordlinger, Jennye	D. C.	3113 N St.
Norris, Jennilu	Ga.	31 B St.
Northrup, Edythe C.	D. C.	Stratford Hotel
Norton, Anna Bessie	D. C.	804 Rhode Island Ave.
*Norton, Golder Barnes	D. C.	804 Rhode Island Ave.
Nourse, Margaret R.	Va.	U. S. Geological Survey
Noyes, Martha	Pa.	1219 12th St.
*Nye, Mabel A.	N. Y.	2603 Mozart Place
O'Connell, Mary	Ind.	809 22d St.
O'Donnell, Mary A.	Ill.	1430 Longfellow St.
Odsted, Florence C.	N. J.	3640 11th St.
Ogden, Vivian	Mo.	1436 R St.
*Oliver, Elsie May	Va.	1447 Girard St.
†Oliver, Estelle Isabel	Texas	605 P St.
Olsen, George L.	Minn.	1829 L St.
*Ormerod, F. Bernice	D. C.	4104 4th St.
*Ormerod, Lucy L.	D. C.	4104 4th St.
†O'Rourke, Carolyn	D. C.	1726 Mass. Ave.
Osborn, Eleanor Russell	Conn.	1812 H Street
*Osborn, Harry Ellis	Mich.	1624 I St.
Oster, Marie V.	Minn.	Rosslyn, Va., R. 1
Overbey, Dora	Tenn.	1028 16th St.
Owen, Lou C.	Tenn.	Blue Triangle House, N. Cap. and E Sts.
Owens, Clarence J., Jr.	Md.	Southern Bldg.
*Owings, Hazel E.	Md.	143 D St. S. E.
*Pabst, Anna M.	D. C.	4622 15th St.
*Palmer, Catherine I.	D. C.	Wardman Courts, West.
*Palmer, Florence G.	D. C.	812 Upshur St.
*Parent, Clara	R. I.	R-S Bldg., Govt. Hotels
*Park, Evelyn P.	Me.	1621 17th St.
†Parker, Alice O.	Ill.	7 Iowa Circle
Parker, Clarence Walter	D. C.	933 N St.
*Parker, Marian Elizabeth	N. Y.	2603 Mozart Place
†Parlier, Ruth	Ill.	1819 G St.
†Patterson, Elsie	D. C.	316 Wardman Courts, West
Patton, Bessie	Kans.	1819 G St.
*Pauly, Elmer G.	D. C.	514 Lamont St.
Payne, Howard S.	Va.	436a Warner St.
†Payne, John Byrd	Va.	418 Warner St.
*Peck, Francis Pattison	D. C.	1448 Fairmont St.
†Peckham, Winifred A.	Pa.	1841 Mintwood Place
Pees, Pearl Luverne	D. C.	1345 Q St.
Pierce, Lottie M.	D. C.	229 Pa. Ave. S. E.
Pepper, Frances W.	D. C.	2006 N St.

†Perdue, Thomas F.	D. C.	110 5th St. N. E.
Perkins, Manlius Mills	Vt.	2211 H St.
†Perry, Harry Leo	Iowa	1601 31st St.
Perry, Shelby	D. C.	48 G St. S. W.
*†Peters, Dora C. M.	D. C.	1520 9th St.
Peters, Maurice	Wis.	717 8th St. N. E.
Peterson, Lottie J.	Minn,	1133 Allison St.
Peterson, Phoebe L. D.	Kans.	2622 11th St.
Phelps, Annabelle Wingate	D. C.	2641 Garfield St.
Philbrook, Mary	N. J.	1730 H St.
†Pilcher, Ruth Elizabeth	D. C.	2118 18th St.
Pitcher, Lois	D. C.	3910 McKinley St.
Pittard, Orella	Va.	800 10th St.
Pixley, Catherine H.	Fla.	119 U St.
Plate, Ethel Lorenda	Pa.	511 Columbia Road
Plummer, Marguerite	Ind.	214 New Jersey Ave.
†Pollock, Rebecca	Okla.	1743 Pa. Ave.
*Pomeroy, Eugene C.	N. J.	2023 O St.
*Pomeroy, Mrs. Eugene C.	N. J.	2023 O St.
†Pope, Chester A.	N. Dak.	2114 G St.
Pope, Walter Howard	Ohio	Y. M. C. A.
†Poppescu, Valentine C.	Mo.	724 7th St. S. E.
*Porter, Charles W.	D. C.	1328 Fairmont St.
*Porter, Gladys I.	Me.	941 H St.
Porter, Iris L.	Ky.	2010 O St.
Postley, Olive C.	D. C.	1362 Irving St.
*Powell, Lillian B.	Tenn.	1662 Park Road
*Powell, Mary L.	D. C.	628 6th St. N. E.
Prender, Elizabeth	D. C.	747 10th St. S. E.
*Prendergast, Bertha M.	D. C.	1504 12th St.
Prettyman, Hazel E.	Ohio	1341 Irving St.
*Pribula, Stephani	Md.	Mt. Rainier, Md.
†Pritchett, Ethel	D. C.	1745 Kalorama Road
Prochaska, Inez M.	Mich.	925 New York Ave.
Pursglove, Elsie M.	D. C.	1530 25th St.
*Putnam, Bertha A.	D. C.	1231 Talbert St. S. E.
†Putnam, Persis	Ill.	X-Y Bldg., Govt. Hotels
*Quick, Ruth G.	D. C.	14 Jackson Place
*Quinlan, Beatrice M.	Ohio	1858 Columbia Road
Quirk, Ellen M.	D. C.	1332 I St.
Ragan, Eleanor M.	Mo.	1431 Newton St.
†Randall, Katherine C.	Minn.	The Brunswick
Rasul, H. Galumu	P. I.	Bureau of Insular Affairs
*Ray, Ruth R.	Okla.	Y. W. C. A., Silver Spring, Md.
Rebuschatis, Marion	D. C.	3228 Hiatt Place
†Reed, Albert C.	D. C.	1741 F St.
Reed, Doris M.	Mich.	1936 Calvert St.
†Reid, Don C.	Iowa	1404 12th St.
Reiley, Elizabeth W.	Pa.	1028 16th St.
*Reinohl, Bessie Enders	Ohio	1105 13th St.
*Renshaw, Mary M.	D. C.	1213 Fairmont St.
*Rice, Louise Gertrude	D. C.	1012 Spring Road
Richards, Florence Louise	Ohio	1209 13th St.
Richardson, James Dee	D. C.	1832 Biltmore St.
†Richardson, William W.	D. C.	1121 10th St.
*Ricker, Anne Elizabeth	Va.	Rosslyn, Va., R. F. D. No. 4

Ricker, Kate A.	Va.	1009 K St. N. E.
Ricketts, Charles W., Jr.	D. C.	1742 F St.
*Rider, Ina G.	D. C.	1254 Irving St.
Righter, Mary Y.	D. C.	717 H St.
*Riordan, Agnes	D. C.	3114 18th St.
Robbins, Elizabeth	Colo.	E-F Bldg., Govt. Hotels
†Roberts, Annie P.	Va.	1612 King St., Alexandria, Va.
Roberts, Bessie M.	Kans.	1341 Otis Place
Robey, Grace Helen	Md.	2118 G St.
Robinson, Marguerite	Colo.	2560 University Place
Robinson, M. Edith	D. C.	1415 Park Ave.
*Rodriguez, Terese	D. C.	814 22d St.
*Rogers, Daisy L.	Miss.	1105 O St.
*Ronald, Marjorie C.	Ill.	2137 LeRoy Place
*Ronndey, Florence E.	D. C.	Wardman Courts, East
*Rorer, Eula	D. C.	1800 K St.
Rose, Helen Trent	Md.	Hyattsville, Md.
Rose, Myrtle B.	Vt.	1905 15th St.
Rosenbloom, Sara R.	Pa.	20th and Florida Ave.
†Roueche, William N.	Pa.	Georgetown Univ.
Royer, Albert T.	Ohio	1202 N St.
*Runkle, Evelyn Carolyn	Ohio	223 Rock Creek Church Rd.
Rupert, Pearl P.	D. C.	539 21st St.
Russ, Lucy	Ohio	1105 East Capitol St.
*Russell, Eugene W.	Va.	Iowa Circle
†Russell, Mary Porter	Tenn.	1320 21st St.
*Ryland, Robert A.	Va.	1204 O St.
*Salquist, Edith Carolyn	Calif.	449 Luray Place
Samuels, Leroy T.	D. C.	1925 35th St.
†Sargent, Annie M.	D. C.	1749 18th St.
Saunders, Florence M.	Texas	2276 East Capitol St.
*Savage, Robert W.	D. C.	623 Maryland Ave. N. E.
*Scharf, John G.	D. C.	3411 Brown St.
*Schiffer, Marie V.	Mich.	U. S. National Museum
†Schiller, Milford	D. C.	1328 Quincy St.
Schofield, E. Eleanor	Va.	3501 14th St.
*Scholen, Hanna	Wash.	2002 G St.
†Schooler, Yetta Betty	D. C.	624 4½ St. S. W.
Schrepfer, Bertha	Calif.	1909 North Capitol St.
Schubert, Aileen	D. C.	219 East Capitol St.
*Schukraft, Inez Vivian	Ind.	1350 Irving St.
Schutz, Nicolas	D. C.	1750 M St.
*Schwartz, Rose	N. Y.	1440 Meridian Place
Scott, Alice B.	Md.	2554 University Place
*Scully, Genevieve	N. J.	1833 M St.
†Seamans, Gladys B.	Ill.	119 C st. N. E.
Sesta, Joseph	N. J.	707 22d St.
Severson, Paul Albert	Mo.	2014 G St.
Shafer, William	N. Y.	1430 V St.
†Shaffer, Vernye M.	Pa.	1305 Rhode Island Ave.
Shah, Pan Francis	China	2001 19th St.
*Shaw, Elizabeth M.	Md.	234 E st. N. E.
*Shaw, Josephine	N. Y.	P-Q Bldg., Govt. Hotels
Shea, Mary Francis	D. C.	732 Morton St.
*Shepherd, Marguerite	D. C.	2011 F St.
Sheldrake, Mary Oswald	Pa.	338 10th St. N. E.

Shipley, Carrie H.	D. C.	1467 Irving St.
†Shively, Eva Thayer	D. C.	3121 Mt. Pleasant St.
*Short, Ida	S. Dak.	1204 N St.
Showers, Esther M.	Wash.	931 H St.
*Shropshire, Juanita	Texas	1819 G St.
†Simmers, Robert L.	Pa.	505 2d St.
Simon, Lois Josephine	D. C.	1414 Girard St.
†Simpkins, Dorothy K.	Neb.	1800 New Hamp. Ave.
Simpson, Grace E.	Mass.	1439 T St.
*†Singleton, Ina Duvall	D. C.	2020 H St.
Six, Francis G.	Ill.	1819 Kalorama Road
*Skrondal, Alice	Wash.	1819 G St.
Slayback, Lucile	Ark.	N-O Bldg., Govt. Hotels
Smith, Alice Cornelia	Conn.	3242 38th St.
*Smith, David Preston	D. C.	3145 Mt. Pleasant St.
*Smith, Elsie C.	D. C.	1363 Spring Road
*Smith, Florence J.	Iowa	1712 17th St.
Smith, Hazel E.	Ind.	G-H Bldg., Govt. Hotels
Smith, Helen	Wis.	36 W St.
†Smith, Helen C.	D. C.	1209 B St. N. E.
Smith, Isabelle Geddes	D. C.	Portland Hotel
Smith, J. Virginia	Pa.	428 10th St. N. E.
Smith, Mariana	Ky.	1432 M St.
Smith, Mary P.	D. C.	1315 Clifton St.
Smith, Susie C.	Me.	1842 2d St.
†Smith, Theresa Brick	D. C.	3401 16th St.
Snell, Nina M.	Kans.	1428 Newton St.
*Snodgrass, William E.	Ill.	1804 Kilbourne Place
Sokolov, Harry E.	D. C.	32 Q St.
Southwell, Marie C.	Ill.	2138 California St.
*Southwick, Adelaide	D. C.	1226 Pa. Ave. S. E.
Sowersby, Ora	D. C.	Natl. Zoological Park
*Spruce, Samuel Stuart	D. C.	1669 Columbia Road
Stager, Cecil Gayman	D. C.	419 Quincy St.
†Stanback, Lester	Miss.	1104 Vermont Ave.
Starr, Relda A.	N. Y.	120 Randolph St.
Stein, Hattie	D. C.	Concord Apts.
*Sterner, Hope R.	Pa.	3465 14th St.
Stevens, James Edelbert	Ind.	2134 H St.
*Stevens, Mary C.	D. C.	1333 F St.
*Stevenson, Marjorie	D. C.	1812 Ingleside Terrace
†Stevenson, Maurice S.	Kans.	Walter Reed Hospital
Stewart, Alma Tiffany	Va.	1709 Q St.
Stewart, Eugene Wilson	Ill.	1831 Vernon St.
Stewart, Grace	W. Va.	2 I St.
Stimmel, Bess E.	Mich.	1443 Belmont St.
*Stine, (Mrs.) Oscar C.	D. C.	3810 Keokuk St., Chevy Chase, D. C.
*Stoen Bennett A.	Minn.	422 2d St.
Stone, Clara S.	Ky.	1414 K St.
†Stone, Edna L.	D. C.	1618 Rhode Island Ave.
Stone, Mary Pacciarini	D. C.	Colorado Bldg.
Stonebraker, Florence E.	D. C.	3433 Oakwood Terrace
Stratbucker, Louise	Neb.	G. W. U. Hospital
*Strawn, Ella E.	Md.	Landover, Md,
Strongin, Herman F.	D. C.	1736 G St.
Stuard, Mabel E.	D. C.	2118 I St.

*Studds, Clara R.	D. C.	1409 New Jersey Ave.
†Styles, Elizabeth Morgan	Va.	Falls Church, Va.
Suit, Arthur M.	Mich.	Continental Trust Bldg.
†Sullivan, Florence	Pa.	1304 Shepherd St.
Sullivan, James Francis	Mass.	502 First St. S. E.
†Summers, Paul D.	Wash.	1316 Euclid St.
*Sutherland, Virginia B.	W. Va.	2119 Conn. Ave.
Sutton, Don F.	D. C.	2013 G St.
Swain, Christine	N. Y.	310 Indiana Ave.
Swanson, Edna M.	Minn.	1351 Otis Place
Swett, Virginia	D. C.	15 Grafton St., Chevy Chase. Md,
Switzer, Bessie	D. C.	3517 13th St.
*Tallent, Roxie E.	Tenn.	1405 G St. S. E.
Tapley, Gladys	D. C.	233 Tenn. Ave. N. E.
*Taylor, Blanche	Ill.	21 First St.
†Taylor, Dorothy E.	D. C.	2534 13th St.
Taylor, Ellen M.	Tenn.	1028 16th St.
Tech, Ruth E.	Ind.	P-Q Bldg., Govt. Hotels
Teillard, Dorothy L.	D. C.	131 A St. N. E.
Terrell, William Prescott	D. C.	917 18th St.
*Thomas, Grace Deborah	D. C.	456 M St.
*Thomas, Lillie M.	D. C.	626 Park Road
Thurlby, Gladys Leone	Ohio	The Plaza
Thurston, Clarena N.	N. Y.	1525 First St.
*Titus, Helen E.	Pa.	2014 F St.
*Todhunter, Eugenia H.	D. C.	1822 16th St.
†Towers, Katherine M.	N. Y.	2509 17th St.
Towsley, Alice M.	Me.	1258 Columbia Road
*Treanor, Honoria Sapelo	Ga.	1436 N St.
Treiman, Martha	Pa.	P-Q Bldg., Govt. Hotels
Trott, Florence	Ill.	1350 Monroe St.
†True, Mabel M.	Iowa	1706 Rhode Island Ave.
Trundle, May H.	D. C.	1409 Webster St.
*Tully, Margaret R.	Vt.	1342 13th St.
Tuohy, Anna	N. Y.	413 2d St.
Turner, Mabel L.	Wash.	314 Rutland Courts
Turner, Pattie Mangum	D. C.	506 East Capitol St.
*Tydings, Mary L.	D. C.	1516 P St
*Tyree, Elizabeth Rigby	D. C.	1328 Maryland Ave. N. E.
*Umhau, Christine K.	D. C.	3305 16th St.
*Umhau, Katherine S.	D. C.	3305 16th St.
*Unruh, June M.	Kans.	130 Adams St.
*Vancleave, Dora M.	Colo.	1200 Mass. Ave.
*VanDalen, Lillian I.	Ind.	X-Y Bldg., Govt. Hotels
Vaughan, William E., Jr.	D. C.	2015 First St.
Velie, Edna M.	N. Y.	1235 Girard St.
*Vestal, Rufus M.	D. C.	309 Shepherd St.
Vincel, Edna B.	Va.	Federal Trade Com.
†Vincent, Walter J.	Md.	2026 G St.
Voelker, Arthur H.	D. C.	1439 Rhode Island Ave.
†Vogt, Grace K.	Ohio	132 C St. N. E.
Voigt, Anna M.	S. Dak.	3640 11th St.
Vorhale, Emma H.	Wis.	The Cordova
*Wadley, Anna	Ga.	1817 F St.
*Walker, Ann M.	D. C.	1363 Fairmont St.
Walker, Effie L.	Miss.	223 Florida Ave.

Wallace, Bryan E.	D. C.	521 Shepherd St.
*†Wallace, Marion	Md.	6402 Ridgewood Ave., Chevy Chase, Md.
Walters, Mary Jane	Va.	1633 29th St.
Ward, Ida C.	Pa.	1326 Mass. Ave.
†Warfield, Edgar Ashby	Va.	501 King St., Alexandria, Va.
Wark, Lillian W.	Mo.	C-D Bldg., Govt. Hotels
*Warnehe, Cornelia A.	Ill.	2120 G St.
†Warner, Anna P.	D. C.	2001 16th St.
Warren, Christine	Ky.	1008 Mass. Ave.
Warren, Lula Kadrey	D. C.	915 L St.
Watkins, Marie O.	D. C.	155 Kentucky Ave. S. E.
*Watts, Gladys	Mo.	322 Maryland Ave. N. E.
Weaver, Sue E.	N. C.	1346 Fairmont St.
Webb, Marion Alice	D. C.	1400 Fairmont St.
Webb, Virginia Johns	Va.	1014 Vermont Ave.
Webster, Eleanora C.	D. C.	104 5th St. N. E.
*†Weed, Constance	N. Y.	1495 Newton St.
*Weeks, Sallie Preston	D. C.	3445 Newark St.
Weinberg, Lenora	D. C.	433 2d St. S. E.
Weiss, Hyman L.	D. C.	General Land Office
†Wells, Edna Barron	Tenn.	R-S Bldg., Govt. Hotels
Wells, F. Estelle	Tenn.	1434 Harvard St.
Wells, Leslie G.	D. C.	1227 Girard St.
Wells, Marie	Mo.	417 Randolph St.
Wells, Mary Elizabeth	Ohio	1341 Irving St.
West, Rena B.	D. C.	224 3d St. S. E.
Wetzel, Elsie Amelia	Ill.	4411 39th St.
Weyl, Celeste Marie	Ill.	1230 Mass. Ave.
*Wheatley, Charles Fellows	D. C.	1330 Florida Ave.
†Wheeler, Catherine	Pa.	I-K Bldg., Govt. Hotels
Wheeler, Maud Inez	Mich.	2831 Georgia Ave.
†Whitaker, Clona	Ind.	1407 Perry Place
†White, Ruth Marietta	R. I.	905 East Capitol St.
*Widmeyer, Yolande	Va.	The Rochambeau
†Wieser, Florence W.	D. C.	1307 Columbia Road
Wildermuth, Norma	Ohio	1524 A St. N. E.
*Wilken, Cedar B.	N. Y.	1715 North Capitol St.
Wilkie, Robert Tusch	Ind.	1219 I St.
*†Willcox, Emma P.	D. C.	The Thomas
Willey, Maud S.	D. C.	1840 Vernon St.
Williams, Earline B.	N. J.	1401 31st St.
Williams, Esther L.	N. Y.	Lanham, Md.
*Williams, Florence V.	Ky.	L-M Bldg., Govt. Hotels
Williams, Hazel F.	Ind.	G-H Bldg., Govt. Hotels
Williams, John Higgins	Ky.	1443 Mass. Ave.
Williams, Luella L.	N. Y.	910 6th St. N. E.
*Williams, Margery	Mich.	1855 Calvert St.
Williams, Mathilda Dorothea	D. C.	1332 F St. N. E.
Williams, Maud	Ill.	1318 Harvard St.
Williams, Priscilla	Va.	1836 Ontario Place
Williams, Thomas H.	D. C.	1215 Vermont Ave.
Wilson, Hazen H.	D. C.	4004 Georgia Ave.
Wilson, James L.	Me.	1415 K St.
Wilson, Lelia Charlotte	D. C.	2007 G St.

*Wilson, Lillian Ruth	Ark.	P-Q Bldg., Govt. Hotels
Wilson, Ruth M.	Ind.	4 Quincy Place N. E.
Wilton, Ralph William	D. C.	1335 22d St.
*Wimber, Vern	D. C.	1213 K St.
Windridge, Emma Isabella	Va.	Cherrydale, Va.
*Wingate, Edward Greene	D. C.	1701 Park Road
†Woeflin, Martha	Ky.	1022 11th St.
Womersley, Grace M.	D. C.	4122 8th St.
†Wood, Joseph R.	D. C.	3143 24th St. N. E.
Woodbury, Margaret Barker	D. C.	3122 Q St.
*Woodward, Alma L.	D. C.	1916 G St.
†Worden, Stanley	Md.	1237 Kenyon St.
†Wormser, Hazel M.	Kans.	1342 Vermont Ave.
Wright, Ethel	Va.	229 Rock Creek Church Rd.
*Wright, Mary Benton	D. C.	1205 Columbia Road
Wuest, Clara I	Ohio	101 N. Car. Ave. S. E.
Wymore, Ivy O.	D. C.	1724 Park Road
Yosgour, Sonia S.	D. C.	300 E St. N. E.
Young, Emma I.	Md.	154 East Capitol St.
*Young, Louise B.	Va.	2129 18th St.
*Young, Matilda N.	D. C.	2129 18th St.
Yung-Kwai, Burnham	D. C.	3312 Highland Ave.

COLLEGE FOR ENGINEERING

CANDIDATES FOR DEGREES

Allardt, Ernst William (M. E., 0)	Ohio	2325 L St.
Aman, Walter Frank (E. E., 85)	Md.	Mt. Rainier, Md.
Anderson, John Augusta (C. E., 26)	D. C.	1520 E. Capitol St.
Aultman, Dwight Edward J (Ch. E., 28)	D. C.	705 Northumberland Apt.
Aurynger, John J. (E. E., 0)	N. Y.	1908 H St.
Babcock, Earl (C. E., 0)	Ill.	1331 Vermont Ave.
Bagder, Cecil Hammond (Chem., 122)	Pa.	Hyattsville, Md.
Bailey, Emmett Chester (M. E., 62) B. S. 1916, Beloit College	Wis.	1849 Ontario Place
Bailey, William Hiram (Chem., 19)	Texas	2106 First Street
Bauskett, Helen V. (Chem., 28)	D. C.	1201 Girard St.
Benson, Russell Bernard (M. E., 16)	D. C.	1406 21st St.
Berliner, Julius Frederick Thomas (Ch. E., 22)	D. C.	1471 Irving St.
Berryman, Nalls (Chem., 6)	D. C.	40 Chestnut St., Takoma Park, D. C.
Bertelson, Charles Wesley (E. E., 0)	N. D.	House Office Bldg.
Bieber, Oscar Peter (M. E., 0)	D. C.	1239 4½ St. S. W.
Biggs, Zeno Alvin (E. E., 108)	Ind.	1730 Euclid St.

Birch, Alvin Lloyd (C. E., 17)	D. C.	1635 R St.
*Biser, Leon Windsor (Ch. E., 0)	Md.	1916 16th Street
Bittner, Gustave Emil (M. E., 0)	D. C.	2014 2d St.
Blackman, Cyrene E. (Chem., 45)	Ind.	209 S St.
Blakely, Chas. Francis (C. E., 109)	Nebr.	Y. M. C. A.
*Bland, William Benjamin (C. E., 0)	S. C.	455 First St. S. E.
Blewitt, John Justin (C. E., 0)	Pa.	1352 Irving St.
Blinston, Chester A. (M. E., 0)	D. C.	1527 Newton St.
*Blosk, Edwin Arthur (M. E., 28)	D. C.	744 Quebec St.
*Bondurant, John Charles (E. E., 0)	Fla.	Chatham Courts
Bonebrake, George Daniel (C. E., 30)	Ohio	5210 Illinois Ave.
Boyd, Alan Rockwell (C. E., 0)	D. C.	1441 Chapin St.
Boyd, Joseph Reginald (E. E., 31)	D. C	1360 Parkwood Place
Boyden, Roger Talbot (C. E., 108)	Mass.	206 Southbrook Courts
*Bradburn, John Raymond (M. E., 0)	D. C.	Navy Yard
Bradbury, Craig E. (E. E., 0)	D. C.	1843 Lamont St.
Bradshaw, Max Abraham (Ch. E., 4)	Va.	1701 Euclid St.
Brady, John Bernard (E. E., 117)	Md.	Chevy Chase, Md.
Brandes, Clarence Alfred (C. E., 20)	D. C.	2032 16th St.
Brauner, Ralph Herman (E. E., 53)	D. C.	Brookland, D. C.
Brewer, Nathaniel (M. E., 0)	D. C.	421 6th St. S. E.
Bruce, Clarence Smoot (M. E., 18)	D. C.	2601 11th St.
*Burdette, Robert C. (Chem., 26)	Md.	1611 First St.
Burggraf, Fred (Ch. E., 0)	Ohio	3917 Livingston St.
Burk, Paul William (M. E., 15)	D. C.	1322 5th St.
*Burner, Charles Alexander (C. E., 34)	D. C.	5322 41st St.
Burneston, Joseph Lee (C. E., 39)	D. C.	1460 Newton St.
Bussard, Marcel Julien (C. E., 0)	D. C.	2129 G St.

Campbell, Richard Dodge (E. E., 79)	D. C.	42 Rhode Island Ave. N. E.
Carey, John Joseph (Arch., 34)	D. C.	2202 First St.
Carter, Robert Cox (C. E., 0)	Ind.	3512 10th St.
Christian, Wellner Livingstone (M. E., 12)	D. C.	15 T St. N. E.
Clarke, Beverly Leonidas (Chem., 48)	D. C.	2127 G St.
*Clarkson, Harry Irving (M. E., 13)	D. C.	707 G St. S. E.
*Clayton, Harold Oliver (Ch. E., 39)	D. C.	8 Girard St. N. E.
Clinton, Daniel Joseph (C. E., 0)	Pa.	1629 Newton St.
Cobb, Elvin T. (C. E., 0)	Mo.	115 C St.
*Cockrill, Lawrence P. (C. E., 0)	Ky.	1117 New Hampshire Ave.
Cole, Francis Gruelle (M. E., 46)	D. C.	1900 8th St.
*Conboye, William Thomas (Arch. 74)	Calif.	64 U St.
*Cook, Harold P. (E. E., 0)	Iowa	234 N St.
Corey, George Holton (Chem., 54)	Pa.	1511 Lamont St.
Covert, Roy Norton (M. E., 39)	Ill.	2821 27th St.
Cox, Eugene Sheffield (M. E., 7)	Wash.	10th St. and Mass. Ave.
Cross, Fred Sylvester (Chem., 56)	W. Va.	1100 Vermont Ave.
Cruickshanks, Benjamin Carpenter (M. E., 132)	D. C.	1336 Fairmont St.
Daidy, George Augustine (Arch., 56)	Mass.	1682 Irving St.
Dale, Lloyd Emerson (Ch. E., 25)	Neb.	2032 F St.
†Daly, Adolph A. (C. E., 19)	D. C.	914 Maryland Ave. N. E.
Darcey, Stanley Roderick (C. E., 4)	D. C.	1248 31st St.
*Dasher, Charles Lamer, Jr. (M. E., 0)	D. C.	5110 13th St.
Davidson, Wilbur Delozier (C. E., 39)	D. C.	1807 Good Hope Road S. E.
*Davis, Fred (C. E., 0)	D. C.	3030 Q St.
Davis, Thomas Allan (Ch. E., 66)	D. C.	635 Eye St. S. W.
*Dawson, Alan Bennett (C. E., 0)	D. C.	1412 E St. S. E.
Degener, Edward L. (C. E., 22)	Ill.	733 22d St.

Delany, James Leroy (M. E., 30)	D. C.	600 Park Road
Delawder, John Lurman (Chem., 10)	D. C.	1359 Mass. Ave.
†Dempsey, James Bryan (M. E., 15)	Kans.	1223 K St.
Derrick, John Milton (M. E., 6)	Md.	1014 10th St.
Disney, Lindsay Pettit (M. E., 35)	D. C.	1212 B St. S. E.
Dumm, Edwin J. (M. E., 0)	Ohio	153 A St. N. E.
*Durand, Charles Schad (Chem., 0)	Tenn.	Y. M. C. A.
Dutton, Harold Harrison (C. E., 36)	D. C.	1721 Kilbourne Place
*Dyer, Worden Pope (M. E., 0)	D. C.	329 13th St. S. E.
Edwards, Lieut. Ray Omer (C. E., 59)	Ill.	Walter Reed Hospital
Edwards, Thomas Rives (Arch., 73)	D. C.	4209 Ill. Ave.
Eisinger, John Overton (M. E., 19)	D. C.	3503 Wisconsin Ave.
Eliason, Howard Russell (M. E., 0)	D. C.	1314 Columbia Road
Ellerbrock, John Harry (M. E., 2)	D. C.	1317 Rhode Island Ave.
Engel, Francis Herman (E. E., 0)	D. C.	1108 Columbia Road
Ergood, Allen Monroe (Ch. E., 16)	D. C.	6223 9th St.
Fedde, Walter Carl (Chem., 93)	Colo.	201 Eye St.
Fegan, Luke Joseph (M. E., 0)	D. C.	3210 13th St.
*Fihe, Albert Joseph (Ch. E., 99)	Ky.	1761 Park Road
†Filgate, John Thomas (C. E., 40)	D. C.	2451 18th St.
Finnie, Alexander (C. E., 4)	D. C.	4417 Ord St. N. E.
Fisher, Henry Philip (C. E., 0)	D. C.	1847 Ontario Place
*Flanagan, Samuel Codrington (C. E., 0)	Va.	1708 P St.
Fleming, Euclid Story Jr. (M. E., 10)	D. C.	127 6th St. S. E.
*Foster, Royal E. (Chem., 22)	D. C.	1914 I St.
†Fred, Rogers M. (Arch., 0)	D. C.	1733 Columbia Road
Free, Walter Henry (M. E., 26)	Iowa	Y. M. C. A.
*Fridinger, Norman Scott (Ch. E., 0)	D. C.	301 13th St. S. E.

Friedman, Solomon (C. E., 33)	D. C.	447 7th St. S. W.
Fuqua, Delmour John (Ch. E., 0)	D. C.	1415 Monroe St.
*Gallahan, Wilbur Andrews (C. E., 0)	D. C.	421 L St. S. E.
*Galloway, Alexander Gordon (M. E., 0)	D. C.	7106 Piney Branch Road
*Gardner, Hannah Louise (Chem., 51)	D. C.	3367 18th St.
Garman, George Guy (E. E., 5)	Pa.	2031 2d St. N. E.
*Garner, Nelson (C. E., 0)	Ariz.	1537 I St.
Gartside, Frank Tyler (C. E., 59)	Md.	1012 12th St.
Gatchell, Willard Waddington (Chem., 10)	D. C.	3209 19th St.
Gebhart, Arthur I. (Chem., 66)	Pa.	2127 G St.
*Gershanick, Carl (E. E., 4)	D. C.	2211 N St.
*Giegerich, Albert A. (C. E., 0)	Iowa	1526 O St.
*Gill, George James (C. E., 0)	D. C.	730 Shepherd St.
Giltrud, Esther Agnes (Arch., 24)	N. D.	1357 Montague St.
Girouard, Philias Henry (E. E., 0)	R. I.	100 B St. N. E.
Glycofrides, Eustace (Chem., 26)	D. C.	926 9th St.
Gonzalez, William Alexander (Chem., 34)	N. Y.	200 E St.
Goodall, Alfred Burrows (E. E., 32)	D. C.	1824 Ingleside Terrace
Goss, Marshall J. (Chem., 0)	Ohio	416 Kenyon St.
Graham, Daniel Parsons (Ch. E., 16)	Calif.	12 Rhode Island Ave. N. E.
Graham, George Emlen (M. E., 10)	D. C.	2246 Cathedral Ave.
Greeley, Arthur Edward (E. E., 8)	D. C.	2632 Garfield St.
*Green, Edgar Melbourne (M. E., 5)	D. C.	82 V St.
Greenwood, Audley Herbert (M. E., 0)	Md.	1225 Euclid St.
Grossman, Herbert Robert (C. E., 38)	Ky.	P. O. Box 1470
Gumprect, Armand J., Jr. (M. E., 6)	D. C.	2818 P St.
Hammond, Leigh Mead (C. E., 0)	Md.	Boyd and Carroll Ave., Takoma Park, Md.
Hanks, Reuel Mucklost (E. E., 0)	W. Va.	1541 8th St.

Harding, Raymond Barton (E. E., 118)	Va.	625 G St. S. W.
†Harper, Esmonde (M. E., 8)	D. C.	803 Allison St.
Harrington, George Elliott (Chem., 8)	D. C.	4641 Conduit Road
Harris, P. Ray (E. E., 0)	Ill.	153 A St. N. E.
Harris, William (Arch., 0)	D. C.	1505 Lamont St.
Harrison, Arthur P. (Chem., 33)	D. C.	816 18th St.
*Harsch, Raymond (C. E., 93)	Ohio	1 Girard St. N. E.
Hartman, Arthur Meyer (Ch. E., 22)	D. C.	1414 Girard St.
Hatton, Wesley Leonard (E. E., 0)	Ala.	710 Rock Creek Church Rd.
Hawkins, Walter (Chem., 0)	Conn.	702 H St.
†Haynes, John Lennies (C. E., 0)	D. C.	1347 Q St.
*Haynes, William E. (M. E., 0)	N. Y.	214 7th St. N. E.
Heckert, George Theodore (E. E., 11)	W. Va.	2030 G St.
Heid, Edwin Dewey (M. E., 4)	D. C.	1740 Lanier Place
Heist, LeRoy Ernest (M. E., 17)	D. C.	2415 N. Capitol St.
Hellmuth, Everett Albert (Ch. E., 76)	Va.	108 N. Alfred St., Alexandria, Va.
Henkin, Benjamin (Ch. E., 0)	D. C.	700 4th St. S. E.
*Hepburn, Norman C. (M. E., 0)	D. C.	321 5th St. S. E.
Hill, Hugh Palmer, Jr. (C. E., 23)	D. C.	313 A St. S. E.
Hillig, Fred H. (Chem., 44)	Ill.	Bureau of Steam Engineering, Navy Dept.
Homan, Lester Stanley (E. E., 0)	Ohio	173 U St. N. E.
Howison, Raynor (E. E., 4)	D. C.	811 Jefferson St.
Hufnagel, Harry Miller (E. E., 41)	D. C.	1311 6th St.
Hume, James Pickrell (Ch. E., 0)	D. C.	2113 S St.
Humphrey, Omar Conger (C. E., 0)	D. C.	1271 First St. S. E.
Hunt, Mary Eleanor (Arch., 0)	D. C.	106 9th St. S. E.
Javellana, Jose B. (E. E., 17)	P. I.	1414 11th St.
†Jett, James Malcolm (C. E., 0)	D. C.	5324 Illinois Ave.

*Johnson, Harold Curry (Ch. E., 20)	Fla.	1449 Rhode Island Ave.
Johnston, Ruby Pauline (M. E., 0)	D. C.	314 2d St. N. E.
*Jones, Leslie O. (E. E., 27)	Ohio	Ballston, Va.
*Kain, Donald Edward (C. E., 0)	D. C.	129 E St.
Kampe, Albert Henry (C. E., 31)	Mich.	1002 M St.
Kar, Percy A. (E. E., 0)	Utah	2622 11th St.
Karger, Alfred Gus (Chem., 35)	Ohio	2616 Cathedral Ave.
Keating, Michael Joseph (M. E., 14)	N. J.	1011 Otis Place
*Kennedy, Erroll Anglin (Chem., 0)	Md.	Hyattsville, Md.
*Kline, Samuel Robert (Ch. E., 6)	Ore.	1816 18th St.
*Klopfer, Lewis White (E. E., 36)	D. C.	6404 Georgia Ave.
Knapp, Ernest Malcolm (Ch. E., 0)	D. C.	714 Rock Creek Church Rd.
*Korschen, George John (M. E., 0)	N. Y.	937 23d St.
Krafft, Carl F. (Ch. E., 118)	Wis.	1211 13th St.
Krehbiel, Elmer Harold (Chem., 28)	D. C.	1016 9th St. N. E.
Ladd, John G. (M. E., 33)	N. Mex.	6109 Brookville Road, Chevy Chase, Md.
Lanigan. Arthur Loyola (E. E., 43)	D. C.	122 Bryant St.
Lapish, Joe Harry (Arch., 46)	D. C.	57 Quincy Place N. E.
Le Duc, Percy Walbourne (Chem., 87)	D. C.	817 Varnum St.
Leland, Leonard Jesse (C. E., 8)	D. C.	516 A St. N. E.
LeRoy, James Alfred (Ch. E., 0)	D. C.	1230 Girard St. N. E.
*Levitch, Alexander (Chem., 10)	N. Y.	2212 M St.
†Lewis, Robert S. (C. E., 77)	D. C.	3316 Mt. Pleasant St.
†Limper, Ernest A. (C. E., 0)	Ind.	Liberty Hut, Y. M. C. A.
Linden, Bernard A. (Chem., 35)	N. Y.	2148 F St.
Lindsey, Irving (Chem., 24)	Va.	1009 Gibbon St., Alexandria, Va.
Lippitt, Edward Gardner (Arch. 30)	D. C.	3025 Newark St.
Litchfield, Charles William (M. E., 0)	D. C.	308 L St. S. E.

Llompart, Jose A. (Ch. E., 45)	D. C.	4512 Georgia Ave.
Lloyd, Daniel Boone, Jr. (C. E., 64)	Md.	Glendale, Md.
*Loeb, Abraham (Ch. E., 0)	D. C.	22 3d St. S. E.
Loeffler, Hyman (C. E., 0)	Va.	1120 King. St., Alexandria, Va.
Loehler, Paul F. (E. E., 4)	D. C.	1412 Montague St.
Loomis, Helen May (Arch., 0)	N. Y.	117 12th St. S. E.
Lootz, Alf Christian, Jr. (C. E., 22)	D. C.	1460 Newton St.
*Lundberg, Robert Ferdinand (Chem., 96)	D. C.	1101 Euclid St.
McAlister, Russell Naylor (C. E., 3)	D. C.	Kensington Apts.
*McCollum, Joe N. (C. E., 0)	D. C.	1327 10th St.
McCoy, John Scott (Chem., 50)	D. C.	312 McLean Ave. S. W.
McEntee, Albert Arthur (C. E., 132)	Ill.	2124 P St.
McManamy, Carl Dewey (M. E., 30)	D. C.	1333 15th St.
MacNab, John Carter (M. E., 39)	Mass.	1427 Buchanan St.
Mackey, Stuart Jones (E. E., 92)	D. C.	1814 Park Road
Mahoney, John (Chem., 68)	Neb.	931 M St.
Malamphy, Mark Cyril (E. E., 0)	Md.	624 H St.
Manbeck, Dwight L. (M. E., 0)	Iowa	Y. M. C. A.
Markley, Klare S. (Chem., 33)	Md.	Rockville, Md.
Marks, Frank Henry (Ch. E., 55)	D. C.	1002 Fairmont St.
*Marks, Joseph M. (C. E., 15)	D. C.	1425 E. Capitol St.
Martin, Frank Whitcher (M. E., 124)	D. C.	2106 First St.
*Mattfeldt, Gustav Earl (C. E., 0)	D. C.	2108 Flagler Place
*Mattingly, Harold Webster (E. E., 4)	D. C.	1234 Good Hope Road S. E.
Meakin, Allan G., Jr. (Ch. E., 14)	Ohio	617 22d St.
*Mecutchen, Laura Bartlett (Arch., 48)	Md.	Brentwood, Md.
Meeks, Fearson Samuel (C. E., 4)	D. C.	1419 Clifton St.
Mehring, Amon Lewis (Chem., 40)	Md.	Hyattsville, Md.

Meiman, William George (C. E., 0)	D. C.	416 Warner St.
*Melton, Edward Roane, Jr. (E. E., 0)	D. C.	1008 Md. Ave. N. E.
Michael, Spencer B. (E. E., 78)	D. C.	18 New York Ave. N. E.
*Miller, Forest John (M. E., 6)	D. C.	1354 Shepherd St.
*Miller, George Daniel (E. E., 0)	Pa.	1311 Fairmont St.
Miller, Odver Harrison (C. E., 119)	Okla.	1739 P St.
Miller, Ralph F. (Ch. E., 57)	Pa.	338 Md. Ave. N. E.
Moeller, Otto (Chem., 0)	Va.	203 County Road, Cherrydale, Va.
Montgomery, Wilbur Burson (C. E., 30)	D. C.	126 Mass. Ave.
Moore, Goggin Emerson (Arch., 0)	Va.	1214 I St.
Moore, John Henderson (Chem. E., 40)	D. C.	1011 H St.
Moore, L. L. Ardrey (Arch., 26)	N. C.	455 First St. S. E.
Morawski, Arthur L. (Chem., 61)	Mass.	442 Mass. Ave.
Moulton, George Franklin (Chem. E., 62)	Ill.	1483 Newton St.
Muse, Frank A. (Arch., 4)	Va.	1833 M St.
Mushake, William Ira (M. E., 0)	D. C.	1919 Nichols Ave. S. E.
*Muzikar, George A. (Ch. E., 0)	Minn.	2131 F St.
Myers, Myron Lewis (Chem., 0)	Md.	1420 Ames Place N. E.
Nagle, Ralph S. (Chem., 20)	D. C.	1338 Shepherd St.
*Neill, William Lynville, Jr. (Chem. E., 6)	Texas	1930 Biltmore St.
*Nelson, Almon Sylvester (C. E., 4)	D. C.	1019 10th St.
Newcomer, Harry E. (Ch. E., 41)	D. C.	239 Q St.
*Nikirk, Paul Alvin (M. E., 0)	D. C.	411 12th St. S. E.
Nilsson, Knut Ivan (M. E., 4)	D. C.	102 Varnum St.
†O'Dea, Marie Elizabeth (Chem., 52)	Va.	825 13th St. N. E.
*Olcott, Floyd Bronson (M. E., 0)	Md.	2566 University Place
Openshaw, D. Lynn (C. E., 0)	Utah.	2028 G St.
Orlando, Vincent James (E. E., 52)	D. C.	234 1st St. S. E.

Owens, Byron (Chem., 23)	Pa.	401 McLachlen Bldg.
Owens, John Adams (M. E., 26)	Pa.	1415 New Jersey Ave.
*Palmer, James C. (C. E., 0)	D. C.	2002 G St.
Pardoe, Edward Schley (C. E., 30)	D. C.	1319 Park Road
Parker, Thornton Jenkins, Jr. (M. E., 35)	D. C.	723 19th St.
Parsons, David Armstrong (E. E., 0)	Md.	North Chevy Chase, Md.
*Patrick, Percy Leroy (E. E., 23)	D. C.	905 Webster St.
Peterson, Emmet James (C. E., 56)	Calif.	1246 House Office Bldg.
*Phillips, I. Jesse, Jr. (E. E., 0)	Ga.	410 6th St.
Pim, James Harvey (E. E., 0)	Colo.	3301 13th St.
Plugge, Norman A. (Chem., 0)	D. C.	1310 13th St.
Polk, Irl (C. E., 4)	Miss.	201 Eye St.
Powell, Alfred Gottwals (C. E., 15)	D. C.	628 6th St. N. E.
†Powell, Archie Eisen (M. E., 121) E. E. 1914, University of Wisconsin	Minn.	Bureau of Standards
*Price, Benjamin Franklin (C. E., 0)	D. C.	2715 14th St.
Prince, Acel Edward (E. E., 13)	Idaho	Box 20, House Office Bldg.
Proudley, Charles Earl (Ch. E., 47)	D. C.	21 R St.
Pyles, Russell (M. E., 0)	D. C.	615 Upshur St.
Quinn, Edward F. (M. E., 37)	N. Y.	1913 Pennsylvania Ave.
Reeves, Robert Charles (C. E., 0)	Kans.	1741 F St.
Reh, Emma (Chem., 130) A. B., 1917, George Washington University	D. C.	1210 Delafield Place
*Richardson, Elbert Lindsey (M. E., 0)	D. C.	910 O St.
Ricker, Martin Miller (C. E., 5)	D. C.	3311 Q St.
Ridgely, Arthur Oertly (M. E., 0)	D. C.	203 Rhode Island Ave. N. E.
*Ridgeway, John Alfred, Jr. (E. E., 4)	D. C.	218 Maple St., Takoma Park, D. C.
Riley, Albert Austin (Chem., 87)	Ohio	3116 19th St.

Ringle, David, Jr. (E. E., 27)	Ore.	2032 Eye St.
Rissler, Raymond Lester (Chem., 0)	D. C.	1366 Spring Road
*Roche, James Joseph (M. E., 0)	D. C.	722 F St. S. W.
†Rogers, Joseph Harris (E. E., 0)	Md.	Hyattsville, Md.
Rolph, J. Norton (C. E., 0)	Ill.	Kenesaw Apt., 16th and Irving Sts.
Romhilt, Helen June (Chem., 72)	Ind.	2011 Franklin St. N. E.
Rommel, George F. (M. E., 24)	D. C.	21 Myrtle St. N. E.
Rose, Leonard Julian (M. E., 76)	D. C.	730 Shepherd St.
Rosenburg, Samuel (M. E., 29)	D. C.	721 4½ St. S. W.
Ross, Frances Pritchard (Ch. E., 0)	D. C.	2911 Mills Ave. N. E.
Rotzler, William M. (M. E., 0)	Utah	243 Florida Ave.
†Rowe, Charles Roy (E. E., 0)	D. C.	646 Lexington Place N. E.
*Rudy, John Taylor, Jr. (M. E., 0)	Minn.	1519 Caroline St.
Ryan, Alfred Edwin (Ch. E., 16)	D. C.	1368 Spring Road
St. Clair, Guilford Payson (C. E., 59) A. B. 1918, Dartmouth College	Me.	603½ 4th St.
St-Omer-Roy, James Augustus (M. E., O)	N. J.	3411 R St.
*Saegart, Ernest Redfield (Chem., 30)	Conn.	441 12th St. N. E.
Saltzman, George Clifford (C. E., 4)	D. C.	1303 Newton St., Brookland
*Salzman, William August (M. E., 0)	N. Y.	239 8th St. S. E.
Sanborn, Norris Henry (Ch. E., 42)	Hawaii	115 Maryland Ave. N. E.
*Sanders, James Henderson (M. E., 4)	D. C.	57 Randolph Place
*Sanford, Emmons Montgomery (E. E., 0)	Va.	1521 Rosedale St. N. E.
*Sargent, Ray Fred (E. E., 67)	Vt.	1838 Calvert St.
Schemet, Herbert K. (Ch. E., 0) LL.B., M.P.L., Georgetown University	Ind.	1134 Florida Ave. N. E.
Schmitt, Edwin Alexis (C. E., 99)	D. C.	305 Southern Building
Schmitt, Henry Martin (M. E., 29)	N. Y.	1429 U St.

Scott, Hunter Dunlap (Arch., 27)	D. C.	1641 R St.
Scott, Walter Clifford, Jr. (M. E., 69)	D. C.	649 B St. N. E.
Selvey, William H. (Ch. E., 0)	W. Va.	2106 G St.
Shoemaker, Fred Eugene (E. E., 94)	D. C.	5310 Belt Road
Shreve, Richard Southerne, Jr. (M. E., 20)	Va.	Navy Dept., Bu. C. & R.
*Shulters, Earl Stanley (E. E., 27)	D. C.	641 A St. S. E.
*Sill, Norman Earle (M. E., 0)	D. C.	132 Adam St.
Sillers, Frederick, Jr. (Ch. E., 0)	D. C.	1349 Otis Place
Sloan, Marguerite Peyton (Chem., 0)	Md.	310 Indiana Ave.
Sloan, Nathaniel Crawford (M. E., 0)	D. C.	2314 17th St.
Smith, Clarence Adrian, Jr. (Arch., 14)	Md.	36 Todd Place N. E.
*Smith, Edgar Donald (C. E., 41)	D. C.	1246 Irving St.
Smith, Melbourne J. (M. E., 0)	Va.	2030 G St.
†Smith, Thomas Walsh (M. E. 120) B. S. in E. E. 1909, Iowa State University	D. C.	917 6th St. N. E.
Smith, Wiley C. (Ch. 53) A. B., 1916, Mississippi College	Miss.	151 11th St. S. E.
Snow, Harold Arthur (E. E., 68)	D. C.	656 Newton St.
Soars, Frances Leota (Arch., 10)	Pa.	1927 Park Road
Sonntag, Harcourt (M. E., 0)	Va.	McLean, Va.
Spasoff, John (E. E., 130)	Calif.	Patent Office
Spear, Albert A. (Chem., 73)	D. C.	4 Sixth St. N. E.
Speck, Vera P. (Arch., 0)	D. C.	1343 Clifton St.
Sperry, Albert (Ch. E., 22)	Fla.	617 Maryland Ave. N. E.
Spielman, William Paul (Ch. E., 0)	Va.	609 Prince St., Alexandria, Va.
*Springman, David L. (M. E., 0)	D. C.	3816 7th St.
Spurr, Frank Arthur (Chem., 97)	Iowa	1404 21st St.
Starr, Arthur Price (Arch. 51)	N. Y.	120 Randolph Place

Stewart, Thomas Franklin (C. E., 60)	D. C.	703 9th St. N. E.
*Stickel, John Frederick (Ch. E., 20)	D. C.	67 Randolph Place
Stockard, John Mahon (M. E., 0)	D. C.	1429 U St.
Stout, Morris VanZandt (C. E., 0)	D. C.	1444 W St.
Strang, Harry Ledden, Jr. (E. E., 101)	D. C.	2020 1st St.
*Strauch, Dewey Anthony (M. E., 0)	Texas	1432 V St.
*Strawn, Floyd L. (M. E., 23)	D. C.	1408 Girard St.
†Strother, David Hunter (M. E., 0)	W. Va.	3153 Mt. Pleasant St.
*Sullivan, George William (M. E., 7)	R. I.	600 Park Road
*Sweeney, James Joseph (C. E., 40)	D. C.	47 K St. N. E.
Taylor, John Corbin, Jr. (C. E., 0)	D. C.	531 Quincy St.
Temin, Morris (M. E., 24)	D. C.	515 4½ St. S. W.
Thomasson, William Thomas (C. E., 0)	D. C.	640 E St. N. E.
Thorne, Maurice Anson (M. E., 0)	Md.	Beechwood, Tunlaw Road
Tibbitts, Gordon Chase (Ch. E., 70)	D. C.	321 Essex Ave., Chevy Chase, D. C.
*Tilton, Daniel Henry (Chem., 0)	D. C.	1823 Kalorama Road
Todd, Lester J. (Ch. E., 0)	Ohio	2133 F St.
Tonkin, William Henry (Chem., 66)	D. C.	2121 15th St.
Trumble, Milton Mason (M. E., 0	D. C.	407 S. C. Ave. S. E.
Tucker, Oscar Samuel (E. E., 42)	Pa.	Y. M. C. A.
Turoff, Louis Webster (C. E., 92)	D. C.	1804 2d St.
Turoff, Ralph S. (M. E., 27)	D. C.	1804 2d St.
*Tyler, Carl Walter (C. E., 0)	D. C.	1428 A St. N. E.
Ullrich, Warren (Arch., 0)	Mass.	1010 11th St.
Varney, Forrest Franklin (C. E., 79)	Wis.	Cherrydale, Va.
*Vitale, Anthony Francis (E. E., 0)	D. C.	1769 Willard St.
*Vogel, Clara Louise (E. E., 0)	Ky.	529 Tenn. Ave. N. E.
Wailes, Raymond Bartlett (Ch. E., 15)	D. C.	3118 14th St.

Wallace, Ricardo F. (C. E., 4)	Md.	302 District Bldg.
Wange, Hans (M. E., 0)	D. C.	521 4th St.
Ward, Heman Smith (C. E., 118)	D. C.	1317 11th St.
Ward, William Robinson, Jr. (M. E., 26)	D. C.	1346 Monroe St.
Warren, Edward Seymour (M. E., 8)	D. C.	1638 R St.
Warren, Robert Harvey (M. E., 0)	D. C.	3549 11th St.
Wearth, Laura M. (Arch., 0)	Iowa	1011 New Hampshire Ave.
Webb, William T. (C. E., 34)	D. C.	2700 36th St.
Weese, Donald Ouray (Arch., 22)	Ind.	1722 Euclid St.
Weinstein, Meyer (Chem., 98)	D. C.	3338 M St.
Wendt, Robert H. (E. E., 21)	Iowa	Home Apts., 7th and K Sts.
Wetherill, Frederick Veazey (M. E., 119)	Ore.	1832 Biltmore St.
Whyte, Clifton Andrews (C. E., 0)	D. C.	1125 Allison St.
Whyte, Russell Irving (Ch. E., 40)	D. C.	2503 14th St.
Wilder, William Franklin (C. E., 98)	N. J.	1523 22d St.
Wilks, Van B. (E. E., 0)	Mo.	1907 H St.
Wilson, A. Herrmann (E. E., 31)	D. C.	911 Maryland Ave. N. E.
Windridge, Frederick Nuson (M. E., 17)	Va.	Cherrydale, Va.
†Wolf, Harry (M. E., 0)	D. C.	815 6th St.
†Woodward, Clarence Maxwell (Arch., 0)	D. C.	1234 Harvard St.
Woolf, Donald O. (C. E., 26)	D. C.	62 S St.
Worrall, Robert Henry (E. E., 0)	D. C.	722 N. Car. Ave. S. E.
*Wright, Leigh Washburn (C. E., 0)	Mass.	1330 R St.
Yingling, Clinton Kemp, Jr. (C. E., 15)	D. C.	1105 17th St.
†Young, Elizabeth B. (Arch., 0)	D. C.	3422 13th St.
†Zimmerman, Arthur G. (C. E., 0)	Ind.	211 Fourth St. S. E.

SPECIAL STUDENTS

†Adams, Edward Godman	Md.	3 Leland St., Chevy Chase, Md.
Anderson, Harriet	D. C.	1343 Clifton St., Apt. 46
†Anderson, William Jones, Jr.	D. C.	1320 Harvard St.

*Baur, Joseph Ulrich	Mich.	1029 22d St.
†Belin, Louis Irving	D. C.	923 M St.
Bennett, Harry	Pa.	4109 8th St.
Bobbitt, William Gilmore	Ky.	25 Quincy Place.
Bontz, Leslie Norwood	D. C.	1005 9th St.
*†Boone, Robert E.	D. C.	1373 Irving St.
*Boyle, Margaret Virginia	Mass.	1259 New Hampshire Ave.
Bradley, Horace Yale	Ga.	Y. M. C. A.
Briggs, Guy Hamil	Md.	Gaithersburg, Md.
Brigham, Cecil E.	Mass.	1805 G St.
Brigham, Cyril Arthur	Mass.	1805 G St.
†Browne, Thomas S.	D. C.	181 Uhland Terrace N. E.
Butler, Clarence Wells	Mo.	154 Adams St.
*Carlson, Wendell L.	N. Y.	805 B St. S. E.
*Carroll, Mrs. Anna A.	Pa.	1216 Eye St.
Chagnon, Leon E. Ashley	Mass.	755 Quebec Place
†Conner, Jesse Paul	Ind.	112 E. Capitol St.
†Conyers, Christopher T.	Ga.	1100 Vermont Ave.
*Cook, Alhambra	Ind.	307, The Plaza
†Cornell, Edward Mayburry	Ill.	2727 30th St. N. E.
*Corrigan, Charles Thomas	Md.	3728 Oliver St.
Corson, Homer Jean	D. C.	1316 12th St.
Couper, William	D. C.	3605 Brothers Place.
Creswell, George William	Md.	1100 Vermont Ave.
*Culbertson, Ruth	N. C.	T-U Bldg., Govt. Hotels
Cuthbertson, Harry B.	D. C.	2204 Evarts St. N. E.
†Cutler, William Vickery	Ind.	2806 13th St. N. E.
†Darcy, George Dewey	Md.	2023 Park Road
Dent, James A.	D. C.	3009 P St.
Deuel, Harry James	Minn.	2035 Park Road
*Dixon, Henry Marshall, Jr.	D. C.	2013 Eye St.
Downham, George Francis	Va.	304 So. St. Asaph St., Alexandria, Va.
Duffy, John Paul	D. C.	2511 17th St.
†Eitzel, Walter Byron	Pa.	1736 G St.
†Elliott, Florian A.	Va.	1003 Woodward Bldg.
Ellis, John Frank	D. C.	1333 Vermont Ave.
Erbe, Ernst A. (Lieut. U. S. A.)		3218 13th St.
*Fitton, Robert Douglas	D. C.	1315 Half St. S. W.
Flaherty, Leo Michael	D. C.	7 Sixth St. N. E.
†Ford, Christopher Wm.	N. Y.	702 19th St.
†Fox, James C. LL.B. 1892, LL.M. 1894, Georgetown	Me.	Metropolitan Club
Gallagher, Thomas A.	N. Y.	2004 15th St.
†Gebhard, Louis August	N. Y.	1820 Calvert St.
†Gilmartin, Austin Folger	N. J.	Wardman Courts, South
Gilmore, Bernhard Harold A.B., 1919, University of West Virginia	W. Va.	415 G St.
Graham, Harry	Tenn.	453 Lamont St.
Grant, Charles C. B.S. 1911, Allegheny College	D. C.	1119 O St.
*Gray, Roy Clifton	Tenn.	808 G St. S. E
Green, Julia E.	Mo.	4728 13th St.
†Groser, Anna I.	Pa.	1814 G St., Apt. 1
Guilford, Horace Elmer	Va.	McLean, Va.

Haire, Homer H.	Mich.	715 Shepherd St.
Hann, Raymond M.	D. C.	1018 Mass. Ave. N. E.
†Harter, Sgt. Fred R.	Mich.	2606 Mozart Place N. W.
*Hatfield, Harold De Wolfe B. S., 1910, Connecticut State College; B. S. in M. E., 1915, George Washington University	Canada	1361 Irving St.
*Hawkins, Josephine	Wyo.	1209 12th St.
Hennessey, John Patrick	Conn.	1165 19th St.
Hobson, Melvin Clay	D. C.	19 W St. N. W.
Hoffman, James I. A.B. 1918 Franklin and Marshall College	Pa.	415 Shepherd St. N. W.
Hooper, Albert G.	Me.	1410 M St.
Houghton, Joseph Davenport	Mass.	917 18th St., Apt. 4
Hoover, Wallace Beattie	D. C.	1514 17th St.
Howard, Forrest Keshena	Va.	Falls Church, Va.
†Howarth, Louise B.S. 1916 Bellhaven College	Miss.	1814 G St., Apt. 1
*Hurley, Herbert E.	D. C.	615 Upshur St.
*Jones, Thomas Henry	N. Y.	1404 Belmont St.
*Keyser, Clarence Naaman B.S., 1914, Pennsylvania State College; M. S., 1917, Univ. of Georgia	Pa.	109 Chestnut St., Takoma Park
*Kiener, Tyler Bainbridge	D. C.	919 P St.
*Kilmartin, Jerome O.	Va.	1834 Ingleside Terrace
King, Angus Stanley	Va.	2024 King St., Alexandria, Va.
Kirkpatrick, Arnold B.S., 1915, Hamline University	Fla.	29 Eye St. N. E.
*†Knaub, Richard Z.	D. C.	225 12th St. N. E.
†Knight, Karl	D. C.	223 Seaton Place N. E.
*Ksanda, Charles J.	D. C.	1717 De Sales St.
Lankford, Jesse W.	D. C.	2450 Rhode Island Ave. N. E.
Lawrence, Walter Bartow	Texas	707 Mt. Vernon Place
Leef, William Hunter	Va.	1300 Pennsylvania Ave.
Lehman, Percy Birkett	Md.	Rockville, Md.
Lindsey, Paul	Va.	1009 Gibbon St., Alexandria, Va.
MacDonnell, Louise	Mass.	2938 Upton St.
MacEwen, Harold Edward	N. Y.	Y. M. C. A.
*McCarthy, Elwood Milton	Va.	2002 G St.
McCarthy, Walter T.	Va.	Cherrydale, Va.
*McCook, Harold	N. Y.	4915 13th St.
McCormick, John D. B. S in C. E., 1914; C. E., 1915, George Washington Univ.	D. C.	1377 North Carolina Ave.
*Mann, Percy W.	Conn.	602 Quincy St.
*†Meares, Henry Holmes	D. C.	3532 Park Place
Mehlfelt, James R.	Pa.	21 Sixth St. N. E.
*Membert, Charles Knickerbocker	D. C.	405 A St. S. E.
*†Meyerson, Milton Dean	N. H.	2949 Tilden St.
Milbee, Grover C. Ph.C., 1915, Valparaiso Univ.	W. Va.	Laboratory, Walter Reed Hospital

*Minasian, George Talmage M.E., 1918, Cornell	N. Y.	1802 R St.
Mitchell, Howard J.	Pa.	House of Representatives
*†Monroe, Thomas Melton	D. C.	2018 1st St.
Mudd, Kostka	D. C.	Walter Reed Hospital
Murray, Edmund Churchill	Md.	1825 Adams Mill Road
*Nadelman, Elias	Conn.	1414 12th St.
*Naramore, George Leonard	D. C.	4518 9th St.
Ohlrich, Axel Valdemar	D. C.	511 Seward Square S. E.
*Ohsol, Johann G. Ph.D., Harvard University	D. C.	2236 Decatur Place
Pagter, Amos Townsend Ph.B., 1911, Yale	Conn.	3120 Mt. Pleasant St.
*†Patrick, Ermin Chambers	D. C.	600 23d St.
*Patrick, William Earle, Jr.	R. I.	1823 G St.
*Patton, John William A.B., 1918, University of North Carolina	N. C.	3412 P St.
*Pearson, Edgar W.	Me.	Apt. 405, The Marne
*Peterman, James Cuyler	La.	1119 Euclid St.
Phalen, William Clifton B.S., 1899, M.S., 1902 Massachusetts Inst. of Technology Ph.D., 1909, George Washington University	D. C.	1717 Lanier Place
*Philips, Walter Hiram	Ohio	1842 Calvert St.
Pierpont, Harry Y.	D. C.	1338 Kenyon St.
Poynton, Edward Arthur	D. C.	4019 5th St.
†Puryear, Alfred I.	Tenn.	Office Director of Air Service
*Ramsay, Harold Theodore	Mass.	1954 Biltmore St.
*Riley, Harry Conrad	D. C.	2624 Garfield St.
Rodier, Phil L.	D. C.	1831 F St.
Rollwage, Edgar A.	Ohio	Y. M. C. A.
Russler, Elmore D.	D. C.	12 Fourth St. S. E.
*St. Sauveur, Lewis A.	Mass.	608 M St.
*Schnabel, Wm. J.	D. C.	207 F St. N. E.
*Seeley, Harold J.	N. Y.	Apt 1, 2031 F St.
Semmes, Harry Hodges B.S., 1913, Dartmouth LL.B., 1916, George Washington University	Md.	Room 608 Ouray Bldg.
*Seth, Alexander Lazear A.B., 1898, Johns Hopkins LL.B., 1900, University of Maryland	Md.	1116 10th St.
Siebel, William Lawrence	D. C.	Copley Courts
*Silber, Walter Charles	Pa.	239 9th St. N. E.
*Simpson, Paul J.	D. C.	3931 14th St.
†Slattery, Thomas F.	Conn.	153 Rhode Island Ave.
†Smith, George A.	Wash.	2700 13th St.
Smith, Raymond C.	D. C.	1006 B St. S. W.
*Smith, Samuel L.	Va.	Glencarlyn, Va.
*Spring, Arlington C.	N. Y.	1241 E St. N. E.
Springer, George Perrcy B.S. in C. E., 1911, Michigan Agricultural College	Mich.	2312 Woodridge St. N. E.
†Stevens, Allen Reynolds	D. C.	35 Carroll Ave.

†Sutton, Dick	Okla.	1329 Delafield Place
Sweitzer, Fred W.	Va.	822 Connecticut Ave.
*Ticer, Wilmer L.	D. C.	1025 Florida Ave. N. E.
*Tinker, Royal Musgrave	D. C.	1440 Rhode Island Ave.
†Tonkin, Maurice Bradley	D. C.	2121 15th St.
*Turner, Edward	Wash.	314 Rutland Courts
*†Upton, William Bayly, Jr.	D. C.	1842 Calvert St.
Valentine, Clytus E.	Ohio	1615 S St.
Van Brunt, Fred B.	Mich.	1316 Monroe St.
*Vieth, Kenneth	D. C.	2555 Rhode Island Ave. N. E.
†Wadsworth, Robert Langford	D. C.	70 V St.
Wagonseller, Earl A.	Ill.	526 Irving St.
Walters, Marion Irven	D. C.	3226 Warder St.
†Watson, John Alfred	Md.	4011 14th St.
*Webster, Wm. Stuart	D. C.	1448 Park Road
*†Weisgerber, Charles Frederick	Pa.	1505 22d St.
Whaland, Norman D.	Mass.	3746 McKinley St.
White, Ernest Croel A.B., 1910, Randolph-Macon	Va.	1829 19th St.
*Wilkins, Thomas Martinez	Wyo.	1428 R St.
*Wilkinson, Harry Payson	Md.	2 Magnolia Parkway, Chevy Chase. Md,
†Wilson, John Nants, Jr.	Md.	Landover, Md.
†Yurow, David	D. C.	637 Princeton St.
Zepp, Edward Franklin	D. C.	3920 Illinois Ave.
Zimmerman, Charles Burritt	Pa.	1028 17th St.

TEACHERS COLLEGE

CANDIDATES FOR THE DEGREE OF BACHELOR OF ARTS AND BACHELOR'S DIPLOMA IN EDUCATION

Aaronson, Naomi (54) (D. C.).....1106 Fairmont St. N. W.
*Adams, Marjorie (0) Tenn.).....1209 K St. N. W.
Adkins, Mrs. Jesse (48) (Wis.).....Quincy St., Chevy Chase, Md.
†Allen, Florence (0) (Mass.).....506 Seward Square S. E.
Ambrose, Amy (0) (Iowa).....Government Hotels.
*Anderson, Theodora Cuyler (0) (Va.)..230 C St. N. W.
Andrews, Elizabeth Marie (48) (D. C.).1837 14th St. N. W.
†April, Sybil Rebecca (0) (N. J.).....963 14th St. S. E.
Atwell, Bessie (44), (Ill.).....318 9th St. N. E.
Bailey, Lillie Porter (116), (D. C.)....1513 8th St. N. W.
Barker, Alma (84), (D. C.).....302 S St. N. E.
Bartsch, Mrs. Signe Gjerdrum (102), (D. C.).....1456 Belmont St. N. W.
†Bashford, Margaret Josepha (104), (Va.).....R. F. D. 2, Alexandria, Va.
Bassett, Catherine Clarke (58), (D. C.).604 7th St. N. E.
*Beach, Ruth Catherine (0), (Ohio)....Fort Recovery, O.
Beck, Margaret Mae (30), (Wis.).....801 B St. S. E.
Bell, Margaret Byrd (71), (Tex.).....1322 Rhode Island Ave. N. W.
Bell, Mrs. Etta R. (69), (Mo.).....2129 Channing St. N. E.
Bell, Ruth (66), (D. C.).....642 C St. N. E.
Berger, Edwin Anson (90), (Pa.).....1135 17th St. N. W.
†Berry, Mary Parran (0), (Mich.).....609 6th St. N. W.

†Bethel, Iva (0), (Wis.).....907 13th St. N. W.
Bethel, Nora Lucinda (0), (Ill.).....3212 Park Place.
*Birdsong, Birdie Otis (59), (Ga.).....Government Hotels, E-F Bldg.
Bledsoe, Dora Belle (0), (Ky.).....201 Eye St. N. W.
†Bioch, Mrs. Sara Koenigsberg (0), (D. C.).....1320 Belmont St. N. W.
*Bolen, Virginia Franklin (0), (Va.)....1412 Eye St. N. W.
*Borden, Hazel A. (0), (Mass.).....1501 Farragut St. N. W.
*Bowden, Anna Virginia (0), (D. C.)....Silver Spring, Md.
†Bowers, Ethel (70½), (Ind.).....1736 F St. N. W.
Boyd, Helen (24), (N. J.).....1601 6th St. N. W.
Bray, Mary Madeline (56), (Pa.).....1325 D St. N. E.
*Brink, Elizabeth C. (0), (Pa.).....402 Shepherd St. N. W.
*Bristow, Marie (26), (Ind.).....1409 Chapin St. N. W.
†Broome, Edwin Warfield (93), (Md.)..Rockville, Md.
†*Brown, Elizabeth Estelle (0), (S. D.).2946 Mills Ave. N. E.
Brown, Georgia Mae (76), (Minn.).....Government Hotels, R-S Bldg.
Bruce, Gail (88), (Ohio).....1652 29th St. N. W.
Brumm, Henryette (82), (D. C.).....517 E St. N. E.
Bryan, Bess Lucile (0), (Tenn.).....1126 New Hampshire Ave. N. W.
Burroughs, Eugene Scott (95), (Md.)...Clinton, Md.
†Campbell, Bessie Blackwell (30), (Va.).....1305 Rhode Island Ave. N. W.
Carlson, Elin (48), (Mich.).....664 Highland Ave. Takoma Pk.
†Carney, Ethel (0), (D. C.).....1009 Otis Place.
†Carter, Nelle Elizabeth (0), (Ind.)...1827 Eye St. N. W.
Challice, Clara Elizabeth (58), (D. C.).1789 Lanier Place.
Chamblin, Julia Virginia (0), (Va.).....Apt. 104, Falkstone Courts.
Chapman, Marion Louisa (0), (D. C.)...3228 13th St. N. W.
*Cheatham, Teresa W. (0), (N. J.).....1804 16th St. N. W.
*Cheeseman, Emma C. (52), (N. Y.).....3512 10th St. N. E.
*Clifford, May Frances (0), (Minn.)....656 Mass. Ave. N. E.
Coates, Lyla M. (0), (D. C.).....4601 Ga. Ave.
*Cobb, Edith Grey (0), (N. C.).....Government Hotels, X-Y Bld.
Colbert, Alice (0), (D. C.).....1782 Lanier Place.
Compton, Lake Ford (0), (Va.).....912 14th St. N. W.
*Connell, Lillie Marie (115), (D. C.)...1642 29th St. N. W.
*Cotter, Mary Louise (48), (D. C.).....1648 Fuller St. N. W.
Covington, Louise Isabel (113), (Mo.)..208 Md. Ave. N. E.
Crabtree, Eunice Katherine (30), (D. C.).....1304 Euclid St. N. W.
Crockett, Bessie Lee (71), (D. C.).....1617 Swan St. N. W.
*Crowder, Naomi (10), (Va.).....1155 Morse St. N. E.
Darby, Margaret Ijanis (24), (Md.)....1819 G St. N. W.
Davis, Emily R. (0), (D. C.).....107 R St. N. W.
Davison, Mrs. Mabel M. (43), (D. C.)...2700 13th St. N. W.
†Davison, Ruth Lowe (8), (D. C.).....Government Hotels, P-Q Bldg.
*De Shields, Mae Viola (0), (D. C.)....125 5th St. N. E.
Dufour, Arline Hughes (113), (D. C.)..1860 Columbia Road.
Dulac, Mrs. Hilda North (95), (D. C.)..Univ. Apts., Baltimore, Md.
Dulin, Cecilia Pinkney, (69), (D. C.)...3725 Morrison St. N. W.
*Dunlay, Ann Veronica (0), (Neb.).....3343 Mt. Pleasant St.
*Duskin, Edna (0), (Kan.).....406 E. Wardman Courts.
†Earnest, Hazel Virginia (0), (Md.)....Mt Rainier, Md.
†Earnest, Lillian Ophelia (0), (Md.)...Mt. Rainer, Md.
Eckberg, Lillian S. (0), (Minn.).....618 11th St. N. W.

Edic, Margaret Jane (78), (N. Y.).....3812 7th St. N. W.
Edinburg, Mrs. Florence P. (68), (Mich.).....714 5th St.
Elliot, Janet Elizabeth (0), (D. C.)....3757 McKinley St.
Epstein, Tessie (0), (N. Y.).....1432 R St. N. W.
Ewer, Maidee (52), (Calif.).....1141 New Hampshire Ave. N. W.
Faris, Hellen Mills (0), (D. C.).....1346 Harvard St. N. W.
Feagans, Hazel (0), (Ind.).....1318 Q St. N. W.
†Fisher, Julia Belle (0), (Ala.).....216 12th St. S. E.
Foley, Caroline M. (60), (Pa.).....1411 11th St. N. W.
Foss, Beth Isabel (48), (N. Y.).....2540 14th St. N. W.
Fowler, Alice Virginia (12), (D. C.)....1346 Irving St. N. W.
†Fox, Laura Blanche (0), (Miss.).....2300 18th St. N. W.
Fravel, Margaret (3), (Va.).....East Falls Church, Va.
Frazier, Susie Jolley (54), (Md.).....1842 Ingleside Terrace.
Fredley, Daisy O. (54), (Ohio).....1827 Eye St. N. W.
Freeman, Harriet Helena (28), (Ill.)...3312 Park Place.
Gaddis, Margaret Trimble (98), (D. C.).1017 E. Capitol St.
Galiher, Blanche P. (62), (D. C.).....436 6th St. N. E.
Gambs, John Sacke (68), (Ohio).....2617 University Place.
Gardner, Ella (88), (D. C.).....3367 18th St. N. W.
Gardner, Rufus Solomon (64), (Va.)....720 19th St. N. W.
*Garst, Julia C. (0), (Kan.).....1226 12th St. N. W.
Gerry, Katherine (0), (D. C.).....3029 13th St. N. W.
Gessford, Margaret (58), (D. C.).....3123 13th St. N. W.
Getty, Annie Graham (67), (D. C.).....1647 Hobart St.
*Giles, Mary Louise (0), (Pa.).....3221 Mt. Pleasant St.
Gillette, Laura (10), (N. Y.).....206 6th St. S. E.
*Goldman, Dorothy (0), (Texas).....1520 P St. N. W.
*Green, Leonard Harrison (48), (Pa.)..706 15th St. S. E.
Gregg, Edith W. (48), (D. C.).....1326 Columbia Road.
Gregory, Agnes Josephine (70), (D. C.).The Olympia.
*Gregory, Ethel (0), (Mich.).....3747 Huntington St.
*Griffin, Estella M. (48), (Neb.).....2622 13th St. N. W.
Guest, Cora Estelle (16), (D. C.).....3165 18th St. N. W.
Guest, Margaret Reid, (16), (D. C.)....3165 18th St. N. W.
Guilford, Charles Carlton (83), (Va.)..R. F. D. 1, McLean, Va.
Guyton, Agnes H. (0), (Colo.).....The Iroquois Apartment.
*Haley, Nellie Elizabeth (52), (Okla.)..Government Hotels, E-F Bldg.
*Hall, Marie Lauretta (0), (W. Va.)...1927 G St. N. W.
Handy, Jessie Bruce (48), (D. C.).....1937 Park Road.
*Hansen, Florence E. (0), (Pa.).....1229 Conn. Ave.
*Hannan, Loretta (0), (D. C.).....51 Rhode Island Ave. N. W.
Hardell, Lelia B. (94), (D. C.).....906 P St.
Hartwell, Mrs. Dessa Mooris (48), (Ill.).....1819 G St.
Haslup, Dorothy Lucile (0), (Md.).....Laurel, Md.
*Hayes, Annie Brown (42), (Pa.).....1421 Columbia Road.
†Heider, Anna (68), (D. C.).....943 Westminster St.
Henderson, Eleanora (84), (D. C.).....1630 17th St.
†*Herman, Eliza Jane (0), (Mich.).....1315 20th St.
Hessler, Agnes Bertha (40). (D. C.)....1358 C St. S. W.
*Hill, Alma Celeste (0), (D. C.).....1367 Quincy St.
*Hill, Helen Blackstone (52), (D. C.)..The Alabama.
*Hillyard, Ruth Mildred (0), (D. C.)...1124 10th St.
*Hilton, Emma L. (0), (Mich.).....2622 13th St.

Hines, Ruth Gladys (0), (Mass.).....1201 E. Capitol St.

Hippe, Inga Augusta (9), (Minn.).....1419 Clifton St.
*Holmes, Imogene Elizabeth (0), (Ind.).1627 Lamont St.
Hopf, Evelyn Ernestine (0), (Mass.)....158 You St. N. E.
Hopkins, Vera (0), (Iowa).....421 6th St. N. E.
Huber, Josephine Marie (58), (D. C.)...1308 Md. Ave. N. E.
Huckabee, Henry Grady (62), (Ala.)....Civil Service Comm.
Humphrey, Mary Elizabeth (95), (D. C.).406 Rhode Island Ave. N. W.
*Hynes, Ednah May (0), (Md.).....315 E. North Ave. Baltimore, Md.
Jackson, Franklin Joseph (56), (D. C.)..1212 Massachusetts Ave. N. W.
*Jackson, Muriel Agnes (0), (N. Y.)....1515 Massachusetts Ave. N. W.
Jenkins, Kathryn Bird (0), (D. C.).....903 H St. N. W.
Johnson, Emily Winifred (67), (Va.)....Cherrydale, Va.
Johnson, Virginia Head (86), (D. C.)....1107 O St. N. W.
Jones, Florence M. (0), (Neb.).....2123 18th St. N. W.
Jones, Mrs. Marie Macmillan (Wash.)..2315 Pennsylvania Ave. N. W.
Jones, Miriam Margaret (15), (N. C.)...107 Second St. N. E.
Judge, Iva Margaret (0), (Wis.).....11 Randolph St.
*Kail, Harriet Randall (65), (D. C.)...917 Florida Ave.
Kauffman, Harvey Earl (117), (Pa.)....1135 17th St. N. W.
Keesecker, Ward Wilbur (6), (W. Va.).1929 K St. N. W.
Kelton, Adelaide (60), (D. C.).....1827 Kalorama Road.
Kendrick, Elizabeth H. (0), (D. C.)....The Cumberland.
*Kernkamp, Leila Myrtle (0), (Minn.)..433 Mt. Pleasant St.
*Kinsey, Gretchen Woodside (0), (Pa.) .407 Randolph St.
†Kirkbridge, Mrs. Irene Hytree (0), (Ohio).....626 Rock Creek Church Road.
Langshaw, Gertrude Hope (48), (Mich.).Govertnment Hotels, C-D Bldg.
Laramy, Ruth Gladys (0), (Minn.).....3433 Mt. Pleasant St.
*Lawrence, Lenore Louise (0), (Mich.) .3212 Park Place.
*Lawson, Margaret Lucile (54), (D. C.).206 13th St. N. E.
†Lewis, Elizabeth Stanton (0), (D. C.)..3316 Mt. Pleasant St.
Loman, Mary Eugenia (58), (Md.).....Sherman Ave. Takoma Park.
Loux, Lloyd Fox (0), (Pa.).....1135 17th St. N. W.
*Love, Ruby (0), (Mo.).....130 Bryant St.
Lucas, Bertha Lovell (54), (D. C.).....25 N St. S. E.
McCarty, Cora (102), (D. C.).....1729 H St. N. W.
Macon, Lena (18), (Ill.).....3923 14th St. N. W.
Magruder, Mary (65), (Md.).....Rockville, Md.
*Makowiczm, Bessie Lorraine (0), (W. Va.).....1724 Park Road.
†Mangels, Mrs. Clara Sherman (0), (Md.).....225 Oak St. Takoma Park.
†Mangun, Clara Bell (0), (Ohio).....120 Md. Ave. S. W.
†Marshall, Emma Blanche (0), (D. C.)..1317 Rhode Island Ave.
Martz, Marguerite Ursula (56), (Md.).1700 I St. N. W.
Matthews, Etta Helene (85), (D. C.)...1223 Euclid St.
Matthews, Frances Marie (0).....18 Bryant St.
Maxson, Evelyn Juliet (68½), (D. C.)..647 E. Capitol St.
Meek, Lois Hayden (74), (D. C.).....1831 California St.
*Merrick, Della E. (0), (N. Y.).....Stratford Hotel.
*Merriken, Margaret Irene (0), (Md.).127 Maryland Ave. N. E.

Meyer, Ella Lydia (53), (Neb.).....Government Hotels, G-H Bldg.
*Myers, Clara Belle (8), (D. C.).....3214 Wisconsin Ave.
Minor, Mrs. Isabel Maynard (52), (D. C.).....129 Varnum St.
Minor, Iva Gola, (67½), (Mo.).....1324 Kenyon St.
*Moblo, Lillian Irene (0), (Mich.).....1110 P St. N. W.
†Monred, Ravenell Annesley (0), (Md.).....Gaithersburg, Md.
Moody, Ada C. (48), (D. C.).....1512 P St. N. W.
Moore, Dellar Sears (0), (Ill.).....1408 15th St. N. W.
†Moore, George Mansfield (0), (Ky.)..621 Rock Creek Church Rd.
*Moore, Margaret Myrtle (30), (D. C.).....656 Massachusetts Ave. N. E.
*Moran, Kathleen Mary (0), (Ind.)....601 E St. N. W.
Mortimer, Florence Craigie (46), (D. C.).1141 New Hampshire Ave.
*Mortimer, Lucile Elizabeth (0), (D. C.).....1141 New Hampshire Ave. N. W.
*Mount, Ruth M. (0), (D. C.).....219 Pennsylvania Ave. S. E.
Mulford, Mrs. Bessie Boyd (114), (D. C.).....1731 Columbia Road.
Murray, Harriet Lenore (54), (D. C.)..120 Third St. N. E.
†*Nelson, Christine Arnold (0), (Ky.)..1337 15th St. N. W.
Nelson, Clarissa Adeline (12), (N. D.).2524 17th St. N. W.
Newlove, Mrs. Merle White (94½), (Ill.).....713 19th St. N. W.
Newlove, Ivadel Elsie (61), (N. D.)....713 19th St. N. W.
Nicholls, Virginia M. (48), (D. C.).....2144 F St. N. W.
Nichols, Dorothy Valentine (0), (Md.).6402 Connecticut Ave. N. W.
Nichols, Herbert Barker (33), (D. C.)..6402 Connecticut Ave. N. W.
Nolan, Margaret Cox (0), (N. Y.).....1819 G St. N. W.
*O'Donoghue, Alice C. (0), (D. C.).....2300 First St. N. W.
Offutt, Viola (115), (Md.).....Bethesda, Md.
†Oldham, Elizabeth Grace (0), (Fla.)...Government Hotels, V-W Bldg.
*Olin, Sarah (14), (Mich.).....1400 Fairmont St.
Orynski, Wanda (113), (Tex.).....2008 G St. N. W.
*Parker, Cordelia Jane (0), (Ill.).....4121 9th St. N. W.
Patterson, Margaret St. Clair (0), (D. C.).....3107 N St. N. W.
Payne, Lilly May (84), (Va.).....Ballston, Va.
Perlman, Rebecca (60), (D. C.).....608 Louisiana Ave. N. W.
*Petzold, Nellie (0), (Calif.).....1603 Connecticut Ave. N. W.
Poindexter, Mattie (66), (Ky.).....1410 11th St. N. W.
Pollock, Laura Kersey (67), (Va.).....Victoria Apartments.
Powell, Lucy Chandler (0), (Va.).....1626 6th St. N. E.
Price, Lillian Pearl (0), (Del.).....1802 M St. N. W.
Quinn, David Long (0), (Md.).....2211 H St. N. W.
Randall, Bernice (103), (D. C.).....2035 F St. N. W.
Reed, Margaret Davis (104), (D. C.)...2809 14th St. N. W.
Reeves, Ruth Elizabeth (62), (Va.).....Falls Church, Va.
†Reynolds, Alice Louise (0), (N. Y.)....128 12th St. N. E.
†Rhodes, Fredda (0), (Pa.).....2721 11th St. N. W.
Ring, Gretchen (86), (D. C.).....1215 Harvard St.
Roberts, Evelyn Miller (48), (Pa.)....1733 20th St. N. W.
Roberts, Harriet Shepherd (105½), (Pa.).....1733 20th St. N. W.

Rogers, Mrs. Florence Hopkins (66), (D. C.).....1104 Euclid St. N. W.

Rod, Eva (0), (D. C.).....2104 18th St. N. W.
Rodgers, Bertha (110), (D. C.).....1445 Massachusetts Ave. N. W.
Rose, Mary Estelle (105), (D. C.).....2963 Tilden St. N. W.
*Rouse, George (0), (Oregon).....1819 G St. N. W.
*Rouse, Mary (0), (Oregon).....1819 G St. N. W.
Rue, Harold Percy (101), (Pa.).....54 Bates Street
*Runyan, Grace E. (84), (Neb.).....Peru, Neb.
Ryan, Fannie Merritt (17), (N. J.).....Hyattsville, Md.
Sabella, Ricardo Hiceta (0), (Philippines).....100 Eye St. N. W.
Sage, Lillian Warfield (96½), (Md.)...Rockville, Md.
Sanders, Ruth (0), (Texas).....Government Hotels, E.-F. Bldg.
.Satterfield, Luna Elsie (0), (N. C.)...322 A St. S. E.
Schahrer, Anna Magdalene (0), (Ill.)..1619 17th St. N. W.
*Scott, Hyacinth (0), (Pa.).....1227 Florida Ave. N. E.
Scott, Pauline (84), (D. C.).....The Balfour.
Selah, Miriam Hughes (88), (D. C.)....17 Third St. N. E.
†*Sewell, Marguerite Alice (0), (Kan.).1407 W St. N. W.
*Shafer, Mary Mandilla (0), (Ind.)....Government Hotels, P-Q Bldg.
Sitler, Margaret Anne (65), (D. C.)....417 11th St. N. E.
Slayton, Mary Ruth (0), (Idaho).....1326 Massachusetts Ave.
Smith, Edna Sophia (86), (Mich.).....1320 10th St. N. W.
Smith, Maurice Merle (90), (Okla.).....2511 14th St. N. W.
Smith, Zeula Zong (0), (Calif.).....2036 F St. N. W.
Snowberger, Garnet (0), (Ind.).....1744 T St. N. W.
*Sosamon, Bonnie (0), (Ill.).....1819 G St. N. W.
*Speiser, Mary Elizabeth (34), (D. C.)..226 8th St. S. E.
Squire, Mrs. Minnie C. (54), (D. C.)....1349 Parkwood Place.
*Stack, Clara Louise (48), (D. C.).....3421 14th St. N. W.
Stallings, Mildred Evelyn (81), (D. C.).....108 Tennessee Ave. N. E.
*Steele, Sara Newton (0), (Ga.).....1735 Willard St.
†Stewart, Catherine Maud (10), (Va.)..E. Falls Church, Va.
Stewart, Elizabeth Tabb (91), (Va.)....E. Falls Church, Va.
Stewart, Mary (6), (D. C.).....627 Maryland Ave. N. E.
*Stovall, Miss Tom (0), (Ala.).....1414 K St. N. W.
*Strantz, Anna Louise (33), (Ind.).....1837 M St. N. W.
Taylor, Mabelle Claire (16), (Ind.)....930 O St. N. W.
†Thiesfeldt, Pauline Elizabeth (0), (Mass.).....1111 Fairmont St.
Thompson, Marie Ada (88), (Miss.).....1818 H St. N. W.
Thorn, Lula Bassett (52), (D. C.).....627 Maryland Ave. N. E.
Thornhill, Annie Collier (0), (Va.)....3033 15th St. N. W.
Thour, Emily Anna (0) (D. C.).....736 11th St. N. E.
Tice, Joyce M. (0), (Minnesota).....Government Hotels, R-S Bldg.
*Todd, Marie Bockover (0) (N. Y.).....1279 21st St N. W.
Tonge, Catherine Mary (80), (D. C.)...401 Willard Courts.
Trotter, Katharine Elizabeth (70), (D. C.).....512 Rhode Island Ave. N. E.
Twele, Gladys Rosamond (30), (D. C.)..Lanham, Md.
*Tyree, Zelma Rigby (50), (D. C.).....1328 Maryland Ave. N. E.

*Uleberg, Andrea (0), (Minn.).....1133 Allison St.
Vail, Margaret Lee (0), (D. C.).....The Toronto.
Van Dyke, Mabel (15), (Ohio).....121 North Carolina Ave. S. E.
*Vaught, Lessye Lee (30), (W. Va.).....3720 New Hampshire Ave. N. W.
Waesche, Mary Eleze (0), (Md.).....6105 4th St. N. W.
Walcott, Marie Estelle (56), (D. C.)...410 6th St. N. E.
Walsh, John Bernard (90), (Mont.).....442 Massachusetts Ave. N. W.
Walter, Gertrude Elizabeth (90), (D. C.).....406 A St. S. E.
Weyman, Mollie Beers (112), (D. C.)...1310 Columbia Road.
Wheatley, Mary Eliza (100), (Va.).....2138 F St.
Whitzell, Margaret Eva (64), (D. C.)..The Alabama.
*Willey, Bessie Fern (0), (Kan.).....1837 M St. N. W.
†Williams, Harriet Martha (0), (Pa.)...1827 2nd St.
Williams, Inez Sprague (0), (Ohio).....1812 Ontario Place.
Williamson, Margaret (54), (Va.).....1725 H Street.
†Williamson, Mary Lillian (0), (Va.)...1202 18th St.
Wilson, Joseph Henry (8), (Pa.).....1436 W St. N. W.
B. S. in M. E., 1919, George Washington University.
*Wilson, Mary E. (0), (Va.).....1155 Morse St. N. E.
†Wimer, Martha Elizabeth (63), (D. C.).The Imperial.
Wolf, Hattie Mary (64), (D. C.).....2333 Ashmead Place.
Wolfenberger, Floy (91), (Mo.).....1436 R St. N. W.
*Wolman, Rena (64), (Md.).....723 Lenox St. Baltimore, Md.
Wooster, Vivian (0), (Mo.).....1749 Q St. N. W.
*Worley, Joseph Frank (0), (Ky.).....1118 10th St. N. W.
*Wright, Olive Catherine (0), (D. C.)..Wardman Park Hotel.
*Wright, Ruth A. (0), (D. C.).....Wardman Park Hotel.
Wyland, Grace (0), (Wyo.).....The Gordon.
†Young, Hilda May (52), (D. C.).....1312 Belmont St. N. W.

SPECIAL STUDENTS

Abbot, Julia Wade, (N. J.).....1661 Hobart St.
*Alrick, Andrea Josephine (Mont.)....Government Hotels, P-Q. Bldg.
Beker, Marie Antoinette (N. Y.).....1455 Belmont St.
A. B., 1916, Hunter College.
Crady, Anna Cecelia, (Md.).....The Cairo.
Downey, Jane (D. C.).....3305 Georgia Ave.
Fitzhugh, Sallie Pannill (Va.).....506 B St. N. E.
Gould, Mrs. Irene Metter (Alabama)..1115 8th St.
*Howard, Ella Oldham (Mass.).....929 New Hampshire Ave. N. W.
Hume, Katherine B. (Ky.).....1326 Columbia Rd.
*Jennerwein, Katherine (Germany)....2 Newland St., Chevy Chase.
Jessup, Maud M. (Va.).....1601 30th St. N. W.
*Keyser, Herbert Fred.....1439 Park Road.
A. B. Colgate University.
†Kreider, Daisy Belle (Ill.).....739 Quebec Place.
Lancaster, Nelle Elizabeth (W. Va.)...201 Tennessee Ave. N. E.
*Lawson, Margaret Lucile (D. C.).....206 13th St. N. E.
A. B. and T. D., 1914, George Washington University.
Mathews, Mary C.....2472 Ontario Place.
*Meyer, Mrs. J. Franklin (D. C.).....3727 Jocelyn St.
*Mills, Alice Elizabeth.....Government Hotels, R-S Bldg.
A. B., Trinity College.
Mitchell, Mrs. Rena S. (Ill.).....1314 Belmont St.

†Parkes, Sara Jay (D. C.).....1711 Eye St.
*†Porter, Beatrice Margaret (Maine)..1819 G St. N. W.
.Reed, Russell Bauer (N. J.).....1218 Girard St. N. W.
Ryder, Josephine (Va.).....2124 Pennsylvania Ave. N. W.
Salter, Katnryn Cary (Fla.).....623 Newton St. N. W.
.Smith, Isabelle (Ill.).....6614 Harland Place, Takoma Park.
B. S., Valparaiso University.
Smith, Jessie (Ky.).....2224 F St. N. W.
Snowden, Elizabeth Victoria (D. C.)...1818 Ingleside Terrace.
St. John, Mrs. Grace Mary Zinssmeister (D. C.).....1800 K St. N. W.
.Stewert, Mary Mabel (D. C.).....127 3rd St. N. E.
A. B., 1914, Grove City College; A. B. and T. D., 1915, George Washington University.
.*Stone, Lucia Mey (Washington).....1217 Franklin St. N. E.
Thomas, Mrs. Harriett Isabel)Ky.)...Rutland Courts.
Toner, Caroline Estelle (D. C.).....1814 Ingleside Terrace.
Vaughn, Effie (Va.).....1356 Emerson St. N. E.
Whitaker, Anne Rutledge (Tenn.).....1312 R St. N. W.
Wisroth, Minnie Amanda (Neb.).....Government Hotels, V-W Bldg.

SUMMER SCHOOL.

Abel, Gladys.....Texas
Abel, James Frederick.....Nevada
A. B., University of Nevada; A. M., Stanford University
Abel, Meredyth.....Texas
Adair, Prudence.....Washington
Adams, James M. R.....Maryland
Allen, Ruth Frances.....District of Columbia
Anderson, Edith A.....Illinois
Anderson, Robert N.....Virginia
Andrews, Alice.....Ohio
Angus, James T.....Missouri
Arrowsmith, Jean M.....Pennsylvania
Asmus, Lewis D.....New Jersey
B. S. in Engineering, Drexel Institute
Baer, John L.....Pennsylvania
Bailey, Lillie Porter.....District of Columbia
Baning, George.....Ohio
*Barnes, Medora E.....Indiana
Basseches, Jacob Thomas.....New York
Bassett, Samuel B.....District of Columbia
Bauer, Emma B.....Pennsylvania
Beach, Jessie.....Texas
Beall, Grace E.....Maryland
Behrend, Henrietta.....Maryland
Bell, Nellie.....Tennessee
Bell, Stanley W.....District of Columbia
Bennett, Ava L.....Ohio
Bennetts, Mildred.....Wisconsin
Berger, Edwin A.....Pennsylvania
Best, S. Jane.....District of Columbia

Birge, Margaret C. . . . . Virginia
Blanken, David . . . . . District of Columbia
Bleiker, Ross F. . . . . Missouri
Boswell, Margaret . . . . . Virginia
Bosworth, Robert Joseph . . . . . District of Columbia
Bowen, George L. . . . . Kansas
Boyd, Helen . . . . . New Jersey
Boyd, Sue H. . . . . North Carolina
A. B., Flora Donald College
Boynton, Amy C. . . . . Ohio
Boynton, Marcia . . . . . Ohio
Brackett, Ruth F. . . . . Maine
Bradley, Mary M. . . . . Georgia
*Brasell, Louise . . . . . Mississippi
Brazerol, Catherine Beatrice . . . . . District of Columbia
*Brimer, Thomas J. . . . . Tennessee
Brown, Elizabeth E. . . . . South Dakota
Brown, Erma . . . . . Missouri
*Brown, Josephine A. . . . . New York
Brown, Lois . . . . . Texas
Brown, Mary Esther . . . . . Maryland
A. B., Western Maryland College
Brown, Radford . . . . . District of Columbia
Brumm, Henryette . . . . . District of Columbia
Buchman, Eva . . . . . Iowa
Burchfield, Henrietta . . . . . New York
Burdick, Bernard F. . . . . Alabama
Burner, Elizabeth Mary . . . . . Texas
Burson, May . . . . . Alabama
Burton, Oliver E. . . . . West Virginia
Cabler, Cleveland . . . . . Arkansas
Campbell, John Alvin . . . . . Pennsylvania
A. B., Westminster
Campbell, John C. . . . . Washington
Campbell, Ruth L. . . . . California
Carle, Herbert M. . . . . Ohio
Carlisle, Maston T. . . . . Tennessee
B. S., University of South Carolina; M. S., Vanderbilt
Carmack, Christian . . . . . Florida
Carr, Elma B. . . . . Kentucky
Cartmell, Leon E. . . . . Mississippi
Castell, Lois . . . . . Indiana
Castillejo, Lino Juan . . . . . Philippine Islands
A. B. and T. D., George Washington University
Charest, Anna M. . . . . District of Columbia
Cheyney, William James . . . . . Pennsylvania
Chu, King . . . . . China
A. B., A. M., George Washington University
Church, Earl R. . . . . Michigan
Clarke, Beverly L. . . . . District of Columbia
*Clarke, Miriam F. . . . . District of Columbia
A. B., Syracuse University
Cobb, Joseph Manly . . . . . West Virginia
Cochran, Doris M. . . . . District of Columbia
Colburn, William E. . . . . District of Columbia
Cole, Mabel A. . . . . Michigan

Comer, Jennie E. . . . . Minnesota
Conner, George L. . . . . Ohio
Cook, J. Geraldine . . . . . Washington
Corey, George H. . . . . Pennsylvania
Cornell, Josiah Hart . . . . . Ohio
*Cornell, Mrs. P. D. . . . . District of Columbia
*Cornett, John L. . . . . Indiana
Costen, Alta . . . . . Maryland
A. B. and T. D., George Washington University
Cottrell, Casper L. . . . . District of Columbia
Covert, Roy N. . . . . Illinois
Cox, Carrie . . . . . West Virginia
Cramer, Robert Lee . . . . . District of Columbia
Creveling, William A. . . . . District of Columbia
Croggon, William N. . . . . District of Columbia
Cromar, Kenneth . . . . . Virginia
Culbertson, Paul T. . . . . Kansas
Cummings, Florence . . . . . District of Columbia
*Cunningham, Richard H. . . . . West Virginia
*Curtis, Vivian . . . . . New York
Cutts, Louise . . . . . Washington
Dale, Lloyd E. . . . . Nebraska
Danforth, Louisa Agnes . . . . . District of Columbia
Davis, Clara Bell . . . . . Virginia
Davis, William H. . . . . New York
Dean, Waiva . . . . . Oregon
*De Frees, Raymond . . . . . Ohio
De Long, Carl R. . . . . Ohio
B. S. in Chemical Engineering, Ohio State University
Dennison, A. Robert . . . . . District of Columbia
Derman, William . . . . . District of Columbia
*Dickenson, Mrs. Arline . . . . . Massachusetts
Ditmer, Edith M. . . . . North Dakota
*Doke, Lula C. . . . . Florida
Dollarhide, Daniel Augustus . . . . . Arkansas
A. B., Henderson-Brown College
Donnolly, Isabel . . . . . Illinois
Douglas, Laurena W. . . . . Virginia
Downey, Jane . . . . . District of Columbia
Doyle, Blanche Gleason . . . . . Illinois
Drummond, Earle J. . . . . Ohio
*Dunham, Catherine . . . . . Indiana
Dykes, Chapman I. . . . . Georgia
*Earnshaw, William I. . . . . District of Columbia
Eckert, Esther A. . . . . District of Columbia
Eckman, Lulu L. . . . . Ohio
Edelstein, Benedict M. . . . . Pennsylvania
Eldridge, Frank R. . . . . Maryland
Elem, Leila Belle (Missouri) . . . . . 2411 N. Capitol St.
Elliott, James Hull . . . . . Virginia
Enyart, Alta . . . . . District of Columbia
Erbe, Ernst A. . . . . Kansas
Evans, Griffith . . . . . District of Columbia
Evans, Morris . . . . . District of Columbia
Farrell, Thomas F. . . . . Massachusetts
A. B., George Washington University

Farris, May . . . . . Indiana
Fedde, Walter C. . . . . Colorado
Field, Rosalie . . . . . Virginia
*Fiske, Margaret Ann . . . . . New York

*Flaherty, Paul B. . . . . Massachusetts
*Flannigan, Samuel C. . . . . Virginia
Flower, Katherine . . . . . District of Columbia
*Foley, Dr. T. M. . . . . District of Columbia
Foster, Isabel . . . . . Maine
Fredley, Daisy O. . . . . Ohio
Free, Walter H. . . . . Iowa
Freeland, Fred B. . . . . South Dakota
*Freeman, Mary E. . . . . District of Columbia
Friedman, Solomon . . . . . District of Columbia
Frobes, Herman T. . . . . Utah
Frost, Beulah . . . . . Oregon
Galeski, Alexandra L. . . . . District of Columbia
A. B., George Washington University
Gallery, J. Eugene . . . . . Maryland
Gambs, John S. . . . . Ohio
*Gardner, Helen . . . . . District of Columbia
Gates, Isabelle Likens . . . . . District of Columbia
Gebhart, Arthur J. . . . . Pennsylvania
Geldhof, A. E. . . . . Michigan
George, Mary V. . . . . New York
Geschickter, Charles . . . . . District of Columbia
Gibbon, Marie E. . . . . Virginia
Gill, Minna . . . . . District of Columbia
Gilliss, Ethel Amelia . . . . . Maryland
Goddard, Eunice F. . . . . Maine
Godfrey, C. M. . . . . District of Columbia
Goldfair, Samuel . . . . . Colorado
*Goldfarb, Saul M. . . . . New Jersey
Grace, Elizabeth . . . . . Alabama
Graham, George E. . . . . Pennsylvania
Gray, Edith M. . . . . District of Columbia
Griffith, Ruth . . . . . Maryland
Griggs, Lula J. . . . . Tennessee
Hales, Ralph A. . . . . District of Columbia
Hall, Marie L. . . . . West Virginia.
Hamilton, Bonifant . . . . . District of Columbia
Hamric, Ethel Marie . . . . . Virginia
Harding, Raymond B. . . . . Virginia
Harnsberger, C. W. . . . . Virginia
*Harris, George E. . . . . Massachusetts
Harrison, Arthur P. . . . . Maryland
Hartman, Arthur M. . . . . District of Columbia
*Hawkins, Gertrude . . . . . Georgia
Haycraft, Charles J. . . . . Maine
Hays, Capt. D. S. . . . . Oregon
M. E., Cornell University
Hazell, Joseph W. . . . . District of Columbia
Heal, Bernice I. . . . . Indiana
Heckert, George T. . . . . West Virginia
Hendrickson, Lydia . . . . . Sweden
Hessler, Agnes Bertha . . . . . District of Columbia

Hester, Margaret ..... Virginia
Hewett, Charles ..... Iowa
Hippe, Inga ..... Minnesota
Hobbs, Pauline ..... District of Columbia
Hodgkins, George W. ..... District of Columbia
A. B., A. M., George Washington University
Hoffman, Herman S. ..... Maryland
Holsinger, Ernest J. ..... Indiana
Homan, L. S. ..... Ohio
Honcik, Hilda ..... Ohio
Honecker, H. J. ..... Pennsylvania
Horwitz, Alec ..... District of Columbia
Howard, Ella Oldham ..... Massachusetts
Howison, Marion L. ..... Virginia
B. A., Randolph-Macon College
Huber, Josephine M. ..... District of Columbia
*Hudson, Sarah C. ..... Missouri
Hunter, Paul B. ..... Virginia
Hurley, C. W. ..... New York
Hutson, Ruth Byers ..... District of Columbia
Hyman, Mrs. Sadie ..... District of Columbia
Iddings, Ruth M. ..... Maryland
James, Francis B., Jr. ..... District of Columbia
Jameson, Mrs. Harriet ..... Iowa
Janson, Lucretia ..... Ohio
Javellana, Jose B. ..... Philippine Islands
Johnson, Dorothy V. ..... District of Columbia
Johnson, Edward W. ..... Texas
Johnson, Harold ..... Florida
Johnston, Winona W. ..... Mississippi
Jones, Alice ..... Missouri
Jones, F. Marion ..... Kansas
Jones, Marie McM. ..... Washington
Joost, David ..... Texas
Kain, H. Gladys ..... District of Columbia
Kampe, Albert H. ..... Michigan
Kauffman, Harvey E. ..... Pennsylvania
Keen, Sadie Ernestine ..... California
Keesecker, Ward W. ..... West Virginia
Keleher, Edith Reynolds ..... District of Columbia
Kenny, Thomas Hamill ..... West Virginia
Kenward, Delia E. ..... New York
*Kern, George A. ..... Iowa
*Kern, Ruth H. ..... Pennsylvania
Kiefer, Clarence M. ..... Pennsylvania
LL. B., LL. M., National University Law School
*Kilday Margaret ..... Texas
*Kittich, Zhivoïn ..... Serbia
LL. B., National University Law School
Lanaghan, Kate ..... Iowa
Lanigan, Arthur L. ..... District of Columbia
Layton, Lois ..... South Carolina
Le Blanc, Laura S. ..... Ohio
Lester, May M. ..... Virginia
Lide, Louis M. ..... South Carolina
Lindow, Oscar H. ..... Wisconsin

Lindsey, Merritt E. . . . . New York
Littell, Nelson . . . . . Indiana . . . . . .
Little, Donald . . . . . Kansas
Little, Mrs. Edward C. . . . . Kansas
Little, John Franklin, Jr. . . . . Georgia
L'Moore, Parker . . . . . North Dakota
Lodge, J. Edwin . . . . . Maryland
A. B., Richmond College
*Long, Myrtle C. . . . . District of Columbia
*Long, W. Rodney . . . . . Massachusetts
Loomis, Helen May . . . . . New York
Lord, Barbara P. . . . . Connecticut
Louis, Max C. . . . . District of Columbia
Lucas, Bertha L. . . . . District of Columbia
Lynch, Olive F. . . . . Massachusetts
Lyon, Quinter M. . . . . District of Columbia
McAuslan, Frances May . . . . . Massachusetts
B. S., Ohio University
McCarty, Cora . . . . . District of Columbia
McClosky, William T. . . . . District of Columbia
McGovern. Louise . . . . . District of Columbia
*McIntyre, Ella D. . . . . Iowa
McKain, Carrie . . . . . Pennsylvania
McKendree, Laurette . . . . . Ohio
McKenzie, Doris . . . . . District of Columbia
McManamy, Carl D. . . . . Michigan
MacEwen, Thomas T. . . . . District of Columbia
A. B., George Washington University
MacKay, Mrs. Anna . . . . . Maryland
M. S., Purdue University
Mahoney, John . . . . . Nebraska
Makens, Adelaide . . . . . South Dakota
Manning, J. Ruel . . . . . Maryland
A. B., Western Maryland College
Marbury, William B. . . . . Maryland
Marks, Frank H. . . . . District of Columbia
Mason, Mrs. Edith E. . . . . District of Columbia
Mason, Lucius Randolph . . . . . District of Columbia
LL. B., George Washington University
Massey, Marle F. . . . . Kansas
Matheny, Mary Frances . . . . . Texas
Maul, Sarah E. . . . . Maryland
Mawhinney, John A. . . . . District of Columbia
Meakin, Allan G. . . . . Ohio
*Merdian, Bertha . . . . . Illinois
Merrick, Manila . . . . . Iowa
*Metzerott, John . . . . . Maryland
Michelson, Bernadette S. . . . . Maryland
Middlebrook, Cecilia A. . . . . Texas
Miller, Odver H. . . . . District of Columbia
Miller, Ralph F. . . . . Pennsylvania
Mills, Agnes J. . . . . Colorado
Miner, Ethel G. . . . . Ohio
Miner, Helen . . . . . Ohio
Montgomery, Jimmie Ethel . . . . . Alabama
Moore, Ardala . . . . . District of Columbia

Moore, Frank Deane ..... Kentucky
A. B., George Washington University, LL. B., University of Virginia
Moore, Goggin Emerson ..... Virginia
Moore, Mildred Josephine ..... District of Columbia
Morawski, Arthur L. ..... Massachusetts
*Moresi, Margaret ..... Louisiana
Morris, Charles Scott ..... Ohio
*Morss, Mrs. M. T. ..... New Jersey
Moskovitz, Adolph ..... District of Columbia
Moulton, Ethel L. ..... Mass
Moxness, Bennie A. ..... North Dakota
Mulford, Bessie Boyd ..... New Jersey
Murdaugh, J. E. D. ..... Maryland
A. B., University of Virginia
Muse, Frank A. ..... Virginia
Myers, Alonzo F. ..... Ohio
Myers, Myron L. ..... Maryland
Nelson, Clarissa A. ..... North Dakota
Nelson, Loren E. ..... Rhode Island
Newcomer, Harry E. ..... District of Columbia
Newlove, Ivadel E. ..... North Dakota
Newlove, Mrs. Merle White ..... Illinois
Newman, Harry W. ..... District of Columbia
Nichols, Herbert B. ..... Maryland
O'Brien, Mildred A. ..... New York
O'Connor, H. J. ..... Pennsylvania
Offutt, Viola ..... Maryland
Ogden, Edith ..... Ohio
Ohsol, Johann G. ..... Mass.
*Okamoto, Issak ..... Japan
*Old, John D. ..... Kansas
Oliver, Estelle ..... Texas
Oliver, Major Fred N. ..... Texas
Orynski, Wanda ..... Texas
Ostby, Martha J. ..... Minnesota
Paul, George Hurst ..... Nebraska
Pazour, Marie A. ..... South Dakota
Peake, Isidore ..... District of Columbia
Peck, Eileen ..... Rhode Island
Peirce, Lottie M. ..... District of Columbia
Pence, Grace ..... West Virginia
Perlin, Harry ..... New York
Perlstein, Samuel ..... Colorado
Peterson, Charles F. ..... Maryland
Phillips, Bernhardt ..... District of Columbia
Pickens, Horace D. ..... Mississippi
Ployhar, Effie I. ..... North Dakota
Poindexter, Mattie ..... Kentucky
Polk, Irl ..... Mississippi
Prendergast, Bertha M. ..... Pennsylvania
*Quinn, David Long ..... Maryland
Ralston, Helen ..... Illinois
Ranck, James B. ..... District of Columbia
Randall, Bernice D. ..... District of Columbia

Reed, Edwin C. . . . . District of Columbia
A. M., LL. B., George Washington University
Reed, Fred C. . . . . District of Columbia
Reed, Mabel C. . . . . Montana
Reed, Margaret Davis . . . . . District of Columbia
Reed, Paul C. . . . . Louisiana
Reese, Kathryn . . . . . Pennsylvania
Reese, Virginia . . . . . Maryland
Reese, William E. . . . . Louisiana
Reeve, Felicia A. . . . . District of Columbia
Reeve, Laura W. . . . . District of Columbia
Reid, Neil . . . . . North Dakota
Reinboth, John F. . . . . Illinois
Reitzel, Albert E. . . . . North Carolina
Richards, Helen . . . . . District of Columbia
Riley, Albert A. . . . . Ohio
Ring, Gretchen . . . . . District of Columbia
Rini, Jerome N . . . . . District of Columbia
*Riordan, David Louis . . . . . District of Columbia
Roberts Bessie M. . . . . Kansas
Robertson, Jerome K. . . . . Texas
Rockow, Lewis . . . . . Wisconsin
A. B., George Washington University
Rodriguez, Harris J. . . . . Louisiana
Rosenblatt, Louis . . . . . New York
*Rotzler, William Michael . . . . . Utah
Rowland, M. Elston . . . . . Tennessee
Runyan, Grace E. . . . . Nebraska
Ryan, Alfred E. . . . . District of Columbia
Ryan, Fannie M. . . . . New Jersey
Ryder, Josephine . . . . . Virginia
Sage, Lillian W. . . . . Maryland
Sage, Loretta F. . . . . Michigan
Salzer, George W. . . . . New York
A. B., George Washington University
Sanborn, Norris H. . . . . District of Columbia
Sargent, Anne M. . . . . Massachusetts
Schelfeffer, Frank . . . . . Illinois
Scott, Ralph S. . . . . Illinois
Scott, Walter C., Jr. . . . . District of Columbia
See, Ernest A. . . . . West Virginia
Sellars, Mrs. Stella C. . . . . Virginia
Shands, George K. . . . . District of Columbia
Shaughnessy, Bertina . . . . . Illinois
Shea, James W. . . . . District of Columbia
Shepherd, Marguerite . . . . . Arkansas
A. B., Virginia Intermont College
*Sherrick, Reburta . . . . . New York
*Shoemaker, Mark Mercer . . . . . Maryland
*Short, Ella Amelia . . . . . South Dakota
Short, Ida Antoinette . . . . . South Dakota
Skapiak, Anthony N. . . . . New York
Smith, Audley L. . . . . Iowa
Smith, Bess J. . . . . Ohio
Smith, Maurice M. . . . . Oklahoma
Sosomon, Bonnie . . . . . Illinois

Spear, Albert A. ..... District of Columbia
Spencer, Mary L. ..... North Carolina
Spurr, F. A. ..... Iowa
Squire, Mrs. Minnie C. ..... District of Columbia
Stallings, Mildred E. ..... District of Columbia
Stebel, Madalin A. C. ..... Virginia
Steele, Cornelia ..... Georgia
Stein, Joseph ..... New York
Stewart, Elwinna ..... Ohio
Stickel, John F. ..... District of Columbia
Stone, C. L. ..... Indiana
Strayer, Mrs. Jeannette B. ..... New York
A. B. and T. D., George Washington University
Swan, Alfred Larson ..... Minnesota
Swearinger, Anita ..... Indiana
Swett, Trevor W. ..... Massachusetts
A. B., Harvard University
Swinson, Marie Cliff ..... Illinois
Tapley, Gladys ..... Virginia
*Tate, Orley A. ..... Tennessee
Taylor, Jane ..... Pennsylvania
Temin, Morris ..... District of Columbia
Thiesing, Theodore H. ..... New York
Thomas, Mrs. Harriet I. ..... Kentucky
Thompson, David G. ..... Illinois
A. B., Northwestern University; A. M., University of Illinois
*Thompson, Harry W. ..... District of Columbia
B. S., George Washington University
Thompson, Thomas C. ..... Pennsylvania
Thornhill, Annie C. ..... Virginia
*Thornton, May A. ..... Indiana
Todd, Augustine J. ..... District of Columbia
*Todd, L. J. ..... Ohio
Tracy, Stanley J. ..... Utah
Trussell, Brandon ..... Texas
A. B., University of Texas
Underwood, Mary L. ..... District of Columbia
A. B., George Washington University
Unruh, June M. ..... Kansas
Usilton, Lida J. ..... District of Columbia
*Vandermark, Marquerett ..... Pennsylvania
Van Ness, Ethel M. ..... New Jersey
*Venable, Ben. W. ..... West Virginia
A. B., Hampden-Sidney College
Vestal, Paul W. ..... District of Columbia
Vickers, Rose M. ..... District of Columbia
Vitale, A. Francis ..... Mississippi
Walker, Effie L. ..... Mississippi
Wall, Mrs. Lillian T. ..... Alabama
Walsh, Humphrey ..... District of Columbia
Walsh, J. Butler ..... District of Columbia
Walsh, John Bernard ..... Montana
Waring, Paul ..... District of Columbia
Watson, Dorothy ..... Maryland

Weber, Elsa.....North Carolina
A. B., George Washington University
*Welty, Lucy.....Indiana
A. B., Indiana University
Wendt, Robert H.....Iowa
Wesley, Genevieve.....Iowa
Wheatley, Mary E.....Virginia
White, Helen M.....District of Columbia
White, Roberta G.....Maryland
Whitson, Alice I.....North Carolina
B. S., State College for Women (N. C.)
Whyte, Eunice.....District of Columbia
Wilgus, Filmora.....Ohio
Williams, Felicia.....Florida
A. B., Florida State College
Williamson, Margaret.....Virginia
Williamson, Mary L.....Virginia
Williman, Frank L.....District of Columbia
Wilson, Herbert.....Tennessee
Wilson, Joseph H.....Pennsylvania
B. S. in M. E., George Washington University
*Winsjansen, Alma M.....Michigan
Wolman, Rena.....Maryland
*Wright, Anna N.....Maryland
Wright, Grace V.....District of Columbia
Wright, Marion L.....District of Columbia
Yagle, Irma G.....Alabama
Yohe, Ethel C.....District of Columbia
Young, Mrs. Augusta Freeman.....North Dakota
A. B., George Washington University
Zepp, Edward F.....Delaware

SUMMARY

Graduate Students

Students in attendance	36	
Candidates for S.M. Degree	37	
Candidates for A.M Degree	89	
Candidates for Ph.D Degree	38	
Candidates for C.E. Degree	4	
Candidates for M.E. Degree	1	
		205

UNDERGRADUATE STUDENTS

Columbian College

Candidates for A.B. Degree	709	
Candidates for B.S. in Med. Degree	50	
Pre-Medical	82	
Special	1049	
		1890

College of Engineering

Candidates for B.S. in Arch. Degree	25	
Candidates for B.S. in Chemistry Degree	54	
Candidates for B.S. in Ch.E. Degree	46	
Candidates for B.S. in C.E. Degree	91	
Candidates for B.S. in M.E. Degree	95	
Candidates for B.S. in E. E. Degree	61	
Special	158	
		530

Teachers College

Candidates for A.B. and Teacher's Diploma	300	
Special	35	
		335

Professional Schools

Medical School	117	
Dental School	74	
School of Pharmacy	12	
Law School	752	
		955
Total		3915
Duplicates		30
		3885

SUMMER SCHOOL 1919

Summer School, Arts and Sciences	461	
Summer School, Law	207	
		668

George Washington University

DEPARTMENT OF ARTS AND SCIENCES

- SCHOOL OF GRADUATE STUDIES
- COLUMBIAN COLLEGE
- COLLEGE OF ENGINEERING
- TEACHERS COLLEGE

MEDICAL DEPARTMENT

- MEDICAL SCHOOL
- SCHOOL OF PHARMACY

LAW SCHOOL

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